

**Entrada Consulting Group**

Sample Delivery Group: L1426847  
Samples Received: 11/04/2021  
Project Number:  
Description: Baker Canyon Spill

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

# SAMPLE SUMMARY

## 20211103-BC-MW1 L1426847-01 GW

Collected by JM Collected date/time 11/03/21 09:00 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770457	1	11/07/21 16:26	11/07/21 17:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	5	11/07/21 00:49	11/07/21 00:49	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771652	1	11/09/21 19:29	11/09/21 19:29	ADM	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## 20211103-BC-MW3 L1426847-02 GW

Collected by JM Collected date/time 11/03/21 09:30 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770734	1	11/08/21 12:13	11/08/21 13:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	5	11/07/21 01:18	11/07/21 01:18	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1772967	10	11/12/21 10:18	11/12/21 10:18	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771652	1	11/09/21 19:47	11/09/21 19:47	ADM	Mt. Juliet, TN

## 20211103-BC-MW4 L1426847-03 GW

Collected by JM Collected date/time 11/03/21 10:00 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770734	1	11/08/21 12:13	11/08/21 13:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 01:33	11/07/21 01:33	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1772967	20	11/12/21 10:30	11/12/21 10:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771652	1	11/09/21 22:37	11/09/21 22:37	ADM	Mt. Juliet, TN

## 20211103-BC-MW2 L1426847-04 GW

Collected by JM Collected date/time 11/03/21 10:30 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770457	1	11/07/21 16:26	11/07/21 17:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 01:48	11/07/21 01:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771652	1	11/09/21 22:55	11/09/21 22:55	ADM	Mt. Juliet, TN

## 20211103-BC-MW6 L1426847-05 GW

Collected by JM Collected date/time 11/03/21 11:00 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770734	1	11/08/21 12:13	11/08/21 13:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 01:03	11/07/21 01:03	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1772967	20	11/12/21 10:41	11/12/21 10:41	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	1	11/10/21 11:42	11/10/21 11:42	DWR	Mt. Juliet, TN

## 20211103-BC-MW7 L1426847-06 GW

Collected by JM Collected date/time 11/03/21 11:30 Received date/time 11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770457	1	11/07/21 16:26	11/07/21 17:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	20	11/07/21 01:18	11/07/21 01:18	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	1	11/10/21 12:02	11/10/21 12:02	DWR	Mt. Juliet, TN

# SAMPLE SUMMARY

## 20211103-BC-MW8 L1426847-07 GW

Collected by  
JM

Collected date/time  
11/03/21 12:00

Received date/time  
11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770369	1	11/07/21 12:54	11/07/21 14:11	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	20	11/07/21 01:33	11/07/21 01:33	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	1	11/10/21 12:23	11/10/21 12:23	DWR	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## 20211103-BC-MW9 L1426847-08 GW

Collected by  
JM

Collected date/time  
11/03/21 12:30

Received date/time  
11/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770457	1	11/07/21 16:26	11/07/21 17:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	1	11/07/21 02:17	11/07/21 02:17	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 03:02	11/07/21 03:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	20	11/10/21 17:03	11/10/21 17:03	JCP	Mt. Juliet, TN

Collected by  
JM

Collected date/time  
11/03/21 13:00

Received date/time  
11/04/21 09:00

## 20211103-BC-MW5 L1426847-09 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770771	1	11/08/21 15:17	11/08/21 16:06	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 03:17	11/07/21 03:17	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	10	11/10/21 17:24	11/10/21 17:24	JCP	Mt. Juliet, TN

Collected by  
JM

Collected date/time  
11/03/21 13:30

Received date/time  
11/04/21 09:00

## 20211103-BC-MW10 L1426847-10 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770369	1	11/07/21 12:54	11/07/21 14:11	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 03:32	11/07/21 03:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	1	11/10/21 14:30	11/10/21 14:30	JCP	Mt. Juliet, TN

Collected by  
JM

Collected date/time  
11/03/21 14:00

Received date/time  
11/04/21 09:00

## 20211103-BC-SW1 L1426847-11 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1770734	1	11/08/21 12:13	11/08/21 13:26	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	1	11/07/21 03:47	11/07/21 03:47	ELN	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1770165	10	11/07/21 04:17	11/07/21 04:17	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1771972	1	11/10/21 14:50	11/10/21 14:50	JCP	Mt. Juliet, TN

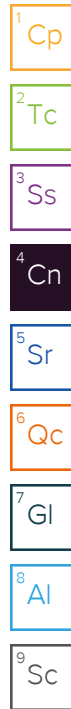


# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward  
Project Manager



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1090		20.0	1	11/07/2021 17:45	<a href="#">WG1770457</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	67.9		1.90	5.00	5	11/07/2021 00:49	<a href="#">WG1770165</a>
Sulfate	420		2.97	25.0	5	11/07/2021 00:49	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000101	<a href="#">J</a>	0.0000941	0.00100	1	11/09/2021 19:29	<a href="#">WG1771652</a>
Toluene	0.000676	<a href="#">J</a>	0.000278	0.00100	1	11/09/2021 19:29	<a href="#">WG1771652</a>
Ethylbenzene	0.000361	<a href="#">J</a>	0.000137	0.00100	1	11/09/2021 19:29	<a href="#">WG1771652</a>
Xylenes, Total	0.000308	<a href="#">J</a>	0.000174	0.00300	1	11/09/2021 19:29	<a href="#">WG1771652</a>
Naphthalene	U	<a href="#">J3</a>	0.00100	0.00500	1	11/09/2021 19:29	<a href="#">WG1771652</a>
1,2,4-Trimethylbenzene	U	<a href="#">J3</a>	0.000322	0.00100	1	11/09/2021 19:29	<a href="#">WG1771652</a>
1,3,5-Trimethylbenzene	U	<a href="#">J3</a>	0.000104	0.00100	1	11/09/2021 19:29	<a href="#">WG1771652</a>
(S) Toluene-d8	112			80.0-120		11/09/2021 19:29	<a href="#">WG1771652</a>
(S) 4-Bromofluorobenzene	102			77.0-126		11/09/2021 19:29	<a href="#">WG1771652</a>
(S) 1,2-Dichloroethane-d4	84.3			70.0-130		11/09/2021 19:29	<a href="#">WG1771652</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1320	<a href="#">J3</a>	20.0	1	11/08/2021 13:26	<a href="#">WG1770734</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	76.2		1.90	5.00	5	11/07/2021 01:18	<a href="#">WG1770165</a>
Sulfate	621		5.94	50.0	10	11/12/2021 10:18	<a href="#">WG1772967</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00451		0.0000941	0.00100	1	11/09/2021 19:47	<a href="#">WG1771652</a>
Toluene	0.00659		0.000278	0.00100	1	11/09/2021 19:47	<a href="#">WG1771652</a>
Ethylbenzene	0.000462	<a href="#">J</a>	0.000137	0.00100	1	11/09/2021 19:47	<a href="#">WG1771652</a>
Xylenes, Total	0.00558		0.000174	0.00300	1	11/09/2021 19:47	<a href="#">WG1771652</a>
Naphthalene	U	<a href="#">J3</a>	0.00100	0.00500	1	11/09/2021 19:47	<a href="#">WG1771652</a>
1,2,4-Trimethylbenzene	U	<a href="#">J3</a>	0.000322	0.00100	1	11/09/2021 19:47	<a href="#">WG1771652</a>
1,3,5-Trimethylbenzene	0.000137	<a href="#">J J3</a>	0.000104	0.00100	1	11/09/2021 19:47	<a href="#">WG1771652</a>
(S) Toluene-d8	112			80.0-120		11/09/2021 19:47	<a href="#">WG1771652</a>
(S) 4-Bromofluorobenzene	103			77.0-126		11/09/2021 19:47	<a href="#">WG1771652</a>
(S) 1,2-Dichloroethane-d4	84.0			70.0-130		11/09/2021 19:47	<a href="#">WG1771652</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1680		50.0	1	11/08/2021 13:26	<a href="#">WG1770734</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	106		3.79	10.0	10	11/07/2021 01:33	<a href="#">WG1770165</a>
Sulfate	962		11.9	100	20	11/12/2021 10:30	<a href="#">WG1772967</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000985	<u>J</u>	0.0000941	0.00100	1	11/09/2021 22:37	<a href="#">WG1771652</a>
Toluene	0.000907	<u>J</u>	0.000278	0.00100	1	11/09/2021 22:37	<a href="#">WG1771652</a>
Ethylbenzene	0.000208	<u>J</u>	0.000137	0.00100	1	11/09/2021 22:37	<a href="#">WG1771652</a>
Xylenes, Total	0.000659	<u>J</u>	0.000174	0.00300	1	11/09/2021 22:37	<a href="#">WG1771652</a>
Naphthalene	U	<u>J3</u>	0.00100	0.00500	1	11/09/2021 22:37	<a href="#">WG1771652</a>
1,2,4-Trimethylbenzene	U	<u>J3</u>	0.000322	0.00100	1	11/09/2021 22:37	<a href="#">WG1771652</a>
1,3,5-Trimethylbenzene	U	<u>J3</u>	0.000104	0.00100	1	11/09/2021 22:37	<a href="#">WG1771652</a>
(S) Toluene-d8	111			80.0-120		11/09/2021 22:37	<a href="#">WG1771652</a>
(S) 4-Bromofluorobenzene	103			77.0-126		11/09/2021 22:37	<a href="#">WG1771652</a>
(S) 1,2-Dichloroethane-d4	84.7			70.0-130		11/09/2021 22:37	<a href="#">WG1771652</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1680		25.0	1	11/07/2021 17:45	<a href="#">WG1770457</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	96.4		3.79	10.0	10	11/07/2021 01:48	<a href="#">WG1770165</a>
Sulfate	850		5.94	50.0	10	11/07/2021 01:48	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000504	<a href="#">J</a>	0.0000941	0.00100	1	11/09/2021 22:55	<a href="#">WG1771652</a>
Toluene	0.000292	<a href="#">J</a>	0.000278	0.00100	1	11/09/2021 22:55	<a href="#">WG1771652</a>
Ethylbenzene	0.000231	<a href="#">J</a>	0.000137	0.00100	1	11/09/2021 22:55	<a href="#">WG1771652</a>
Xylenes, Total	0.000230	<a href="#">J</a>	0.000174	0.00300	1	11/09/2021 22:55	<a href="#">WG1771652</a>
Naphthalene	U	<a href="#">J3</a>	0.00100	0.00500	1	11/09/2021 22:55	<a href="#">WG1771652</a>
1,2,4-Trimethylbenzene	U	<a href="#">J3</a>	0.000322	0.00100	1	11/09/2021 22:55	<a href="#">WG1771652</a>
1,3,5-Trimethylbenzene	U	<a href="#">J3</a>	0.000104	0.00100	1	11/09/2021 22:55	<a href="#">WG1771652</a>
(S) Toluene-d8	113			80.0-120		11/09/2021 22:55	<a href="#">WG1771652</a>
(S) 4-Bromofluorobenzene	103			77.0-126		11/09/2021 22:55	<a href="#">WG1771652</a>
(S) 1,2-Dichloroethane-d4	84.5			70.0-130		11/09/2021 22:55	<a href="#">WG1771652</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1700		50.0	1	11/08/2021 13:26	<a href="#">WG1770734</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	129		3.79	10.0	10	11/07/2021 01:03	<a href="#">WG1770165</a>
Sulfate	964		11.9	100	20	11/12/2021 10:41	<a href="#">WG1772967</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	11/10/2021 11:42	<a href="#">WG1771972</a>
Toluene	U		0.000278	0.00100	1	11/10/2021 11:42	<a href="#">WG1771972</a>
Ethylbenzene	0.000231	J	0.000137	0.00100	1	11/10/2021 11:42	<a href="#">WG1771972</a>
Xylenes, Total	U		0.000174	0.00300	1	11/10/2021 11:42	<a href="#">WG1771972</a>
Naphthalene	U		0.00100	0.00500	1	11/10/2021 11:42	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/10/2021 11:42	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/10/2021 11:42	<a href="#">WG1771972</a>
(S) Toluene-d8	103			80.0-120		11/10/2021 11:42	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	99.9			77.0-126		11/10/2021 11:42	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	89.5			70.0-130		11/10/2021 11:42	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Dissolved Solids	1600		50.0	1	11/07/2021 17:45	<a href="#">WG1770457</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	<u>Qualifier</u>	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Chloride	116		7.58	20.0	20	11/07/2021 01:18	<a href="#">WG1770165</a>
Sulfate	925		11.9	100	20	11/07/2021 01:18	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	<u>Qualifier</u>	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	<u>Batch</u>
Benzene	U		0.0000941	0.00100	1	11/10/2021 12:02	<a href="#">WG1771972</a>
Toluene	0.000371	J	0.000278	0.00100	1	11/10/2021 12:02	<a href="#">WG1771972</a>
Ethylbenzene	0.000263	J	0.000137	0.00100	1	11/10/2021 12:02	<a href="#">WG1771972</a>
Xylenes, Total	U		0.000174	0.00300	1	11/10/2021 12:02	<a href="#">WG1771972</a>
Naphthalene	U		0.00100	0.00500	1	11/10/2021 12:02	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/10/2021 12:02	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/10/2021 12:02	<a href="#">WG1771972</a>
(S) Toluene-d8	98.1			80.0-120		11/10/2021 12:02	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	93.4			77.0-126		11/10/2021 12:02	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	91.9			70.0-130		11/10/2021 12:02	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	2050		25.0	1	11/07/2021 14:11	<a href="#">WG1770369</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	109		7.58	20.0	20	11/07/2021 01:33	<a href="#">WG1770165</a>
Sulfate	945		11.9	100	20	11/07/2021 01:33	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	11/10/2021 12:23	<a href="#">WG1771972</a>
Toluene	U		0.000278	0.00100	1	11/10/2021 12:23	<a href="#">WG1771972</a>
Ethylbenzene	0.000152	J	0.000137	0.00100	1	11/10/2021 12:23	<a href="#">WG1771972</a>
Xylenes, Total	U		0.000174	0.00300	1	11/10/2021 12:23	<a href="#">WG1771972</a>
Naphthalene	U		0.00100	0.00500	1	11/10/2021 12:23	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/10/2021 12:23	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/10/2021 12:23	<a href="#">WG1771972</a>
(S) Toluene-d8	100			80.0-120		11/10/2021 12:23	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	97.6			77.0-126		11/10/2021 12:23	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	91.6			70.0-130		11/10/2021 12:23	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1300		20.0	1	11/07/2021 17:45	<a href="#">WG1770457</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	80.3		0.379	1.00	1	11/07/2021 02:17	<a href="#">WG1770165</a>
Sulfate	718		5.94	50.0	10	11/07/2021 03:02	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.857		0.00188	0.0200	20	11/10/2021 17:03	<a href="#">WG1771972</a>
Toluene	U		0.00556	0.0200	20	11/10/2021 17:03	<a href="#">WG1771972</a>
Ethylbenzene	0.0210		0.00274	0.0200	20	11/10/2021 17:03	<a href="#">WG1771972</a>
Xylenes, Total	0.181		0.00348	0.0600	20	11/10/2021 17:03	<a href="#">WG1771972</a>
Naphthalene	U		0.0200	0.100	20	11/10/2021 17:03	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	0.00706	J	0.00644	0.0200	20	11/10/2021 17:03	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	0.00682	J	0.00208	0.0200	20	11/10/2021 17:03	<a href="#">WG1771972</a>
(S) Toluene-d8	94.4			80.0-120		11/10/2021 17:03	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	96.2			77.0-126		11/10/2021 17:03	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	102			70.0-130		11/10/2021 17:03	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1590		20.0	1	11/08/2021 16:06	<a href="#">WG1770771</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	78.2		3.79	10.0	10	11/07/2021 03:17	<a href="#">WG1770165</a>
Sulfate	735		5.94	50.0	10	11/07/2021 03:17	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.483		0.000941	0.0100	10	11/10/2021 17:24	<a href="#">WG1771972</a>
Toluene	0.0585		0.00278	0.0100	10	11/10/2021 17:24	<a href="#">WG1771972</a>
Ethylbenzene	0.00620	J	0.00137	0.0100	10	11/10/2021 17:24	<a href="#">WG1771972</a>
Xylenes, Total	0.0777		0.00174	0.0300	10	11/10/2021 17:24	<a href="#">WG1771972</a>
Naphthalene	U		0.0100	0.0500	10	11/10/2021 17:24	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.00322	0.0100	10	11/10/2021 17:24	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	0.00226	J	0.00104	0.0100	10	11/10/2021 17:24	<a href="#">WG1771972</a>
(S) Toluene-d8	96.2			80.0-120		11/10/2021 17:24	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	97.4			77.0-126		11/10/2021 17:24	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	101			70.0-130		11/10/2021 17:24	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1650		20.0	1	11/07/2021 14:11	<a href="#">WG1770369</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	76.5		3.79	10.0	10	11/07/2021 03:32	<a href="#">WG1770165</a>
Sulfate	785		5.94	50.0	10	11/07/2021 03:32	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000109	J	0.0000941	0.00100	1	11/10/2021 14:30	<a href="#">WG1771972</a>
Toluene	0.000509	J	0.000278	0.00100	1	11/10/2021 14:30	<a href="#">WG1771972</a>
Ethylbenzene	0.000347	J	0.000137	0.00100	1	11/10/2021 14:30	<a href="#">WG1771972</a>
Xylenes, Total	0.000312	J	0.000174	0.00300	1	11/10/2021 14:30	<a href="#">WG1771972</a>
Naphthalene	U		0.00100	0.00500	1	11/10/2021 14:30	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/10/2021 14:30	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/10/2021 14:30	<a href="#">WG1771972</a>
(S) Toluene-d8	99.1			80.0-120		11/10/2021 14:30	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	96.3			77.0-126		11/10/2021 14:30	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		11/10/2021 14:30	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1280	<a href="#">J3</a>	20.0	1	11/08/2021 13:26	<a href="#">WG1770734</a>

## Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	97.9		0.379	1.00	1	11/07/2021 03:47	<a href="#">WG1770165</a>
Sulfate	488		5.94	50.0	10	11/07/2021 04:17	<a href="#">WG1770165</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0000941	0.00100	1	11/10/2021 14:50	<a href="#">WG1771972</a>
Toluene	U		0.000278	0.00100	1	11/10/2021 14:50	<a href="#">WG1771972</a>
Ethylbenzene	U		0.000137	0.00100	1	11/10/2021 14:50	<a href="#">WG1771972</a>
Xylenes, Total	U		0.000174	0.00300	1	11/10/2021 14:50	<a href="#">WG1771972</a>
Naphthalene	U		0.00100	0.00500	1	11/10/2021 14:50	<a href="#">WG1771972</a>
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/10/2021 14:50	<a href="#">WG1771972</a>
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/10/2021 14:50	<a href="#">WG1771972</a>
(S) Toluene-d8	99.6			80.0-120		11/10/2021 14:50	<a href="#">WG1771972</a>
(S) 4-Bromofluorobenzene	100			77.0-126		11/10/2021 14:50	<a href="#">WG1771972</a>
(S) 1,2-Dichloroethane-d4	93.4			70.0-130		11/10/2021 14:50	<a href="#">WG1771972</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3727241-1 11/07/21 14:11

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1425866-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1425866-08 11/07/21 14:11 • (DUP) R3727241-3 11/07/21 14:11

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1040	1090	1	3.94		5

L1425866-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1425866-09 11/07/21 14:11 • (DUP) R3727241-4 11/07/21 14:11

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	561	594	1	5.71	<u>J3</u>	5

Laboratory Control Sample (LCS)

(LCS) R3727241-2 11/07/21 14:11

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8630	98.1	77.4-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3727262-1 11/07/21 17:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1425866-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1425866-03 11/07/21 17:45 • (DUP) R3727262-3 11/07/21 17:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1090	1180	1	7.59	J3	5

L1426683-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1426683-02 11/07/21 17:45 • (DUP) R3727262-4 11/07/21 17:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	943	1010	1	7.22	J3	5

Laboratory Control Sample (LCS)

(LCS) R3727262-2 11/07/21 17:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8310	94.4	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3727477-1 11/08/21 13:26

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1426847-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1426847-02 11/08/21 13:26 • (DUP) R3727477-3 11/08/21 13:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1320	1450	1	9.96	J3	5

L1426847-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1426847-11 11/08/21 13:26 • (DUP) R3727477-4 11/08/21 13:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1280	1360	1	5.77	J3	5

Laboratory Control Sample (LCS)

(LCS) R3727477-2 11/08/21 13:26

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	7960	90.5	77.4-123	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3727474-1 11/08/21 16:06

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1426935-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1426935-01 11/08/21 16:06 • (DUP) R3727474-3 11/08/21 16:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1140	1210	1	5.94	J3	5

L1426940-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1426940-01 11/08/21 16:06 • (DUP) R3727474-4 11/08/21 16:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	909	945	1	3.88		5

Laboratory Control Sample (LCS)

(LCS) R3727474-2 11/08/21 16:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8280	94.1	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3728239-1 11/07/21 00:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	0.420	⬇	0.379	1.00
Sulfate	U		0.594	5.00

L1426847-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1426847-01 11/07/21 00:49 • (DUP) R3728239-3 11/07/21 01:03

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	67.9	66.8	5	1.59		15
Sulfate	420	408	5	2.96		15

L1427028-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1427028-06 11/07/21 06:31 • (DUP) R3728239-7 11/07/21 06:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	4160	4210	50	1.02		15

Laboratory Control Sample (LCS)

(LCS) R3728239-2 11/07/21 00:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.9	99.6	80.0-120	
Sulfate	40.0	40.1	100	80.0-120	

L1426847-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1426847-08 11/07/21 02:17 • (MS) R3728239-4 11/07/21 02:32 • (MSD) R3728239-5 11/07/21 02:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	80.3	127	128	92.6	94.7	1	80.0-120	E	E	0.833	15
Sulfate	50.0	729	755	764	53.4	71.5	1	80.0-120	E V	E V	1.20	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1426847-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1426847-11 11/07/21 03:47 • (MS) R3728239-6 11/07/21 04:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	97.9	143	89.9	1	80.0-120	E
Sulfate	50.0	482	447	0.000	1	80.0-120	E V

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



Method Blank (MB)

(MB) R3728951-1 11/12/21 07:58

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sulfate	U		0.594	5.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1421606-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1421606-02 11/12/21 09:08 • (DUP) R3728951-3 11/12/21 09:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	U	U	1	0.000		15

L1429714-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1429714-02 11/12/21 13:13 • (DUP) R3728951-6 11/12/21 13:25

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	2.05	2.06	1	0.614	⬇	15

Laboratory Control Sample (LCS)

(LCS) R3728951-2 11/12/21 08:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sulfate	40.0	41.6	104	80.0-120	

L1421606-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1421606-02 11/12/21 09:08 • (MS) R3728951-4 11/12/21 09:31 • (MSD) R3728951-5 11/12/21 09:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sulfate	50.0	U	49.8	50.0	99.6	100	1	80.0-120			0.345	15

L1429714-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1429714-02 11/12/21 13:13 • (MS) R3728951-7 11/12/21 13:37

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Sulfate	50.0	2.05	51.8	99.5	1	80.0-120	

Method Blank (MB)

(MB) R3728007-3 11/09/21 19:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	114			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	83.6			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3728007-1 11/09/21 18:09 • (LCSD) R3728007-2 11/09/21 18:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00443	0.00504	88.6	101	70.0-123			12.9	20
Ethylbenzene	0.00500	0.00468	0.00559	93.6	112	79.0-123			17.7	20
Naphthalene	0.00500	0.00318	0.00431	63.6	86.2	54.0-135		J3	30.2	20
Toluene	0.00500	0.00465	0.00558	93.0	112	79.0-120			18.2	20
1,2,4-Trimethylbenzene	0.00500	0.00392	0.00481	78.4	96.2	76.0-121		J3	20.4	20
1,3,5-Trimethylbenzene	0.00500	0.00388	0.00477	77.6	95.4	76.0-122		J3	20.6	20
Xylenes, Total	0.0150	0.0143	0.0167	95.3	111	79.0-123			15.5	20
(S) Toluene-d8				109	113	80.0-120				
(S) 4-Bromofluorobenzene				110	96.0	77.0-126				
(S) 1,2-Dichloroethane-d4				94.8	86.6	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3727878-4 11/10/21 10:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	97.8			80.0-120
(S) 4-Bromofluorobenzene	95.6			77.0-126
(S) 1,2-Dichloroethane-d4	91.4			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3727878-1 11/10/21 08:31 • (LCSD) R3727878-2 11/10/21 08:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00480	0.00463	96.0	92.6	70.0-123			3.61	20
Ethylbenzene	0.00500	0.00423	0.00442	84.6	88.4	79.0-123			4.39	20
Naphthalene	0.00500	0.00416	0.00448	83.2	89.6	54.0-135			7.41	20
Toluene	0.00500	0.00410	0.00428	82.0	85.6	79.0-120			4.30	20
1,2,4-Trimethylbenzene	0.00500	0.00471	0.00467	94.2	93.4	76.0-121			0.853	20
1,3,5-Trimethylbenzene	0.00500	0.00466	0.00497	93.2	99.4	76.0-122			6.44	20
Xylenes, Total	0.0150	0.0122	0.0133	81.3	88.7	79.0-123			8.63	20
(S) Toluene-d8				97.1	101	80.0-120				
(S) 4-Bromofluorobenzene				93.6	99.9	77.0-126				
(S) 1,2-Dichloroethane-d4				97.6	92.8	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

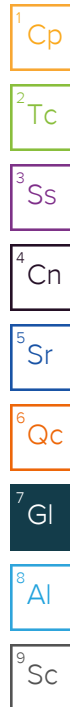
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page 1 of 2



Report to:  
Stuart Hall

Email To: shall@entradainc.com;

## Project Description:

Baker Canyon Spill

City/State  
Collected: DeBeque, CO

Please Circle:  
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #  
ENTCONGJCO-915

Collected by (print):

JMcLarty

Site/Facility ID #

P.O. #

Collected by (signature):

[Signature]

Rush? (Lab MUST Be Notified)

Same Day ☒ Five Day  
Next Day ☐ 5 Day (Rad Only)  
Two Day ☐ 10 Day (Rad Only)  
Three Day ☐

Quote #

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

No.  
of  
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time															
2021103-BC-MW1	Grab	GW		11/3/21	900	5	X	X	X											-01
2021103-BC-MW3					930															-02
2021103-BC-MW4					1000															-03
2021103-BC-MW2					1030															-04
2021103-BC-MW6					1100															-05
2021103-BC-MW7					1130															-06
2021103-BC-MW8					1200															-07
2021103-BC-MW9					1230															-08
2021103-BC-MW5					1300															-09
2021103-BC-MW10					1330															-10

\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
UPS FedEx Courier

Tracking # 5016 1232 2073

Relinquished by: (Signature)

Date: 11/3/21

Time: 1600

Received by: (Signature)

[Signature]

Trip Blank Received: Yes (No)

HCLY MeOH  
TBR

Relinquished by: (Signature)

Date: 11/3/21

Time: 1700

Received by: (Signature)

[Signature]

Temp: 3.2±0.32 55

Bottles Received:

## Sample Receipt Checklist

COC Seal Present/Intact: NP ☒ N  
COC Signed/Accurate: Y ☒ N  
Bottles arrive intact: Y ☒ N  
Correct bottles used: Y ☒ N  
Sufficient volume sent: Y ☒ N  
If Applicable  
VOA Zero Headspace: Y ☒ N  
Preservation Correct/Checked: Y ☒ N  
RAD Screen <0.5 mR/hr: Y ☒ N

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

[Signature]

Date: 11/4/21

Time: 0900

Hold:

Condition:  
NCF / OK





**Entrada Consulting Group**

Sample Delivery Group: L1432694

Samples Received: 11/17/2021

Project Number:

Description: Baker Canyon

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

# SAMPLE SUMMARY

## 20211116-BC-MW1 L1432694-01 GW

Collected by J. McLarty  
Collected date/time 11/16/21 09:00  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	1	12/07/21 21:50	12/07/21 21:50	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	5	12/07/21 22:13	12/07/21 22:13	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779327	1	11/24/21 08:19	11/24/21 08:19	JHH	Mt. Juliet, TN

## 20211116-BC-MW2 L1432694-02 GW

Collected by J. McLarty  
Collected date/time 11/16/21 09:30  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	10	12/07/21 22:25	12/07/21 22:25	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779327	1	11/24/21 08:38	11/24/21 08:38	JHH	Mt. Juliet, TN

## 20211116-BC-MW3 L1432694-03 GW

Collected by J. McLarty  
Collected date/time 11/16/21 10:00  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	10	12/07/21 22:48	12/07/21 22:48	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1780874	1	11/29/21 17:07	11/29/21 17:07	BMB	Mt. Juliet, TN

## 20211116-BC-MW4 L1432694-04 GW

Collected by J. McLarty  
Collected date/time 11/16/21 10:30  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/07/21 23:00	12/07/21 23:00	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 08:06	11/25/21 08:06	JHH	Mt. Juliet, TN

## 20211116-BC-MW5 L1432694-05 GW

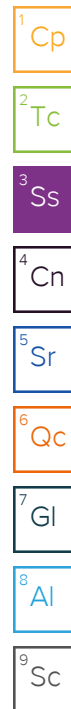
Collected by J. McLarty  
Collected date/time 11/16/21 11:00  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/07/21 23:12	12/07/21 23:12	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	10	11/25/21 14:13	11/25/21 14:13	JHH	Mt. Juliet, TN

## 20211116-BC-MW6 L1432694-06 GW

Collected by J. McLarty  
Collected date/time 11/16/21 11:30  
Received date/time 11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779293	1	11/23/21 16:55	11/23/21 17:57	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	50	12/07/21 23:47	12/07/21 23:47	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 08:27	11/25/21 08:27	JHH	Mt. Juliet, TN



# SAMPLE SUMMARY

20211116-BC-MW7 L1432694-07 GW

Collected by  
J. McLarty

Collected date/time  
11/16/21 12:00

Received date/time  
11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779293	1	11/23/21 16:55	11/23/21 17:57	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/07/21 23:59	12/07/21 23:59	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 08:47	11/25/21 08:47	JHH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

20211116-BC-MW8 L1432694-08 GW

Collected by  
J. McLarty

Collected date/time  
11/16/21 12:30

Received date/time  
11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779293	1	11/23/21 16:55	11/23/21 17:57	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/08/21 00:10	12/08/21 00:10	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 09:07	11/25/21 09:07	JHH	Mt. Juliet, TN

20211116-BC-MW9 L1432694-09 GW

Collected by  
J. McLarty

Collected date/time  
11/16/21 13:00

Received date/time  
11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779293	1	11/23/21 16:55	11/23/21 17:57	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/08/21 00:22	12/08/21 00:22	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	20	11/25/21 14:34	11/25/21 14:34	JHH	Mt. Juliet, TN

20211116-BC-MW10 L1432694-10 GW

Collected by  
J. McLarty

Collected date/time  
11/16/21 13:30

Received date/time  
11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	20	12/08/21 00:34	12/08/21 00:34	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 09:28	11/25/21 09:28	JHH	Mt. Juliet, TN

20211116-BC-SW1 L1432694-11 GW

Collected by  
J. McLarty

Collected date/time  
11/16/21 14:00

Received date/time  
11/17/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1779073	1	11/23/21 13:07	11/23/21 14:10	VRP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1785625	10	12/08/21 00:45	12/08/21 00:45	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1779948	1	11/25/21 09:48	11/25/21 09:48	JHH	Mt. Juliet, TN

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

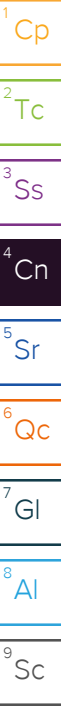


Chris Ward  
Project Manager

## Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
<a href="#">L1432694-01</a>	<a href="#">20211116-BC-MW1</a>	8260B
<a href="#">L1432694-02</a>	<a href="#">20211116-BC-MW2</a>	8260B
<a href="#">L1432694-03</a>	<a href="#">20211116-BC-MW3</a>	8260B





## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1140		20.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	68.6		1.00	1	12/07/2021 21:50	<a href="#">WG1785625</a>
Sulfate	411		25.0	5	12/07/2021 22:13	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	11/24/2021 08:19	<a href="#">WG1779327</a>
Toluene	ND		0.00100	1	11/24/2021 08:19	<a href="#">WG1779327</a>
Ethylbenzene	ND		0.00100	1	11/24/2021 08:19	<a href="#">WG1779327</a>
Xylenes, Total	ND		0.00300	1	11/24/2021 08:19	<a href="#">WG1779327</a>
Naphthalene	ND		0.00500	1	11/24/2021 08:19	<a href="#">WG1779327</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/24/2021 08:19	<a href="#">WG1779327</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/24/2021 08:19	<a href="#">WG1779327</a>
(S) Toluene-d8	107		80.0-120		11/24/2021 08:19	<a href="#">WG1779327</a>
(S) 4-Bromofluorobenzene	102		77.0-126		11/24/2021 08:19	<a href="#">WG1779327</a>
(S) 1,2-Dichloroethane-d4	117		70.0-130		11/24/2021 08:19	<a href="#">WG1779327</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1670		25.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	102		10.0	10	12/07/2021 22:25	<a href="#">WG1785625</a>
Sulfate	829		50.0	10	12/07/2021 22:25	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00214		0.00100	1	11/24/2021 08:38	<a href="#">WG1779327</a>
Toluene	ND		0.00100	1	11/24/2021 08:38	<a href="#">WG1779327</a>
Ethylbenzene	ND		0.00100	1	11/24/2021 08:38	<a href="#">WG1779327</a>
Xylenes, Total	ND		0.00300	1	11/24/2021 08:38	<a href="#">WG1779327</a>
Naphthalene	ND		0.00500	1	11/24/2021 08:38	<a href="#">WG1779327</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/24/2021 08:38	<a href="#">WG1779327</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/24/2021 08:38	<a href="#">WG1779327</a>
(S) Toluene-d8	105		80.0-120		11/24/2021 08:38	<a href="#">WG1779327</a>
(S) 4-Bromofluorobenzene	106		77.0-126		11/24/2021 08:38	<a href="#">WG1779327</a>
(S) 1,2-Dichloroethane-d4	128		70.0-130		11/24/2021 08:38	<a href="#">WG1779327</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1300		20.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	78.1		10.0	10	12/07/2021 22:48	<a href="#">WG1785625</a>
Sulfate	635		50.0	10	12/07/2021 22:48	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	0.00285		0.00100	1	11/29/2021 17:07	<a href="#">WG1780874</a>
Toluene	0.00555		0.00100	1	11/29/2021 17:07	<a href="#">WG1780874</a>
Ethylbenzene	ND		0.00100	1	11/29/2021 17:07	<a href="#">WG1780874</a>
Xylenes, Total	0.00401		0.00300	1	11/29/2021 17:07	<a href="#">WG1780874</a>
Naphthalene	ND		0.00500	1	11/29/2021 17:07	<a href="#">WG1780874</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/29/2021 17:07	<a href="#">WG1780874</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/29/2021 17:07	<a href="#">WG1780874</a>
(S) Toluene-d8	99.3		80.0-120		11/29/2021 17:07	<a href="#">WG1780874</a>
(S) 4-Bromofluorobenzene	97.9		77.0-126		11/29/2021 17:07	<a href="#">WG1780874</a>
(S) 1,2-Dichloroethane-d4	97.8		70.0-130		11/29/2021 17:07	<a href="#">WG1780874</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1650		50.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	127		20.0	20	12/07/2021 23:00	<a href="#">WG1785625</a>
Sulfate	1080		100	20	12/07/2021 23:00	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	11/25/2021 08:06	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 08:06	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 08:06	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 08:06	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 08:06	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:06	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:06	<a href="#">WG1779948</a>
(S) Toluene-d8	112		80.0-120		11/25/2021 08:06	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	111		77.0-126		11/25/2021 08:06	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	111		70.0-130		11/25/2021 08:06	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1520		20.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	80.7		20.0	20	12/07/2021 23:12	<a href="#">WG1785625</a>
Sulfate	706		100	20	12/07/2021 23:12	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.383		0.0100	10	11/25/2021 14:13	<a href="#">WG1779948</a>
Toluene	0.0237		0.0100	10	11/25/2021 14:13	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.0100	10	11/25/2021 14:13	<a href="#">WG1779948</a>
Xylenes, Total	0.0527		0.0300	10	11/25/2021 14:13	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.0500	10	11/25/2021 14:13	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.0100	10	11/25/2021 14:13	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.0100	10	11/25/2021 14:13	<a href="#">WG1779948</a>
(S) Toluene-d8	110		80.0-120		11/25/2021 14:13	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	113		77.0-126		11/25/2021 14:13	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	115		70.0-130		11/25/2021 14:13	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2070		25.0	1	11/23/2021 17:57	<a href="#">WG1779293</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	127		50.0	50	12/07/2021 23:47	<a href="#">WG1785625</a>
Sulfate	953		250	50	12/07/2021 23:47	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/25/2021 08:27	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 08:27	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 08:27	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 08:27	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 08:27	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:27	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:27	<a href="#">WG1779948</a>
(S) Toluene-d8	111		80.0-120		11/25/2021 08:27	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	109		77.0-126		11/25/2021 08:27	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	109		70.0-130		11/25/2021 08:27	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2040		25.0	1	11/23/2021 17:57	<a href="#">WG1779293</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	134		20.0	20	12/07/2021 23:59	<a href="#">WG1785625</a>
Sulfate	1010		100	20	12/07/2021 23:59	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/25/2021 08:47	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 08:47	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 08:47	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 08:47	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 08:47	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:47	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 08:47	<a href="#">WG1779948</a>
(S) Toluene-d8	112		80.0-120		11/25/2021 08:47	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	110		77.0-126		11/25/2021 08:47	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	111		70.0-130		11/25/2021 08:47	<a href="#">WG1779948</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2030		25.0	1	11/23/2021 17:57	<a href="#">WG1779293</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	125		20.0	20	12/08/2021 00:10	<a href="#">WG1785625</a>
Sulfate	1010		100	20	12/08/2021 00:10	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/25/2021 09:07	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 09:07	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 09:07	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 09:07	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 09:07	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:07	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:07	<a href="#">WG1779948</a>
(S) Toluene-d8	110		80.0-120		11/25/2021 09:07	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	110		77.0-126		11/25/2021 09:07	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	109		70.0-130		11/25/2021 09:07	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1650		20.0	1	11/23/2021 17:57	<a href="#">WG1779293</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	82.9		20.0	20	12/08/2021 00:22	<a href="#">WG1785625</a>
Sulfate	730		100	20	12/08/2021 00:22	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.888		0.0200	20	11/25/2021 14:34	<a href="#">WG1779948</a>
Toluene	ND		0.0200	20	11/25/2021 14:34	<a href="#">WG1779948</a>
Ethylbenzene	0.0342		0.0200	20	11/25/2021 14:34	<a href="#">WG1779948</a>
Xylenes, Total	0.274		0.0600	20	11/25/2021 14:34	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.100	20	11/25/2021 14:34	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.0200	20	11/25/2021 14:34	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.0200	20	11/25/2021 14:34	<a href="#">WG1779948</a>
(S) Toluene-d8	110		80.0-120		11/25/2021 14:34	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	110		77.0-126		11/25/2021 14:34	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	113		70.0-130		11/25/2021 14:34	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1460		20.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	77.8		20.0	20	12/08/2021 00:34	<a href="#">WG1785625</a>
Sulfate	707		100	20	12/08/2021 00:34	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/25/2021 09:28	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 09:28	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 09:28	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 09:28	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 09:28	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:28	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:28	<a href="#">WG1779948</a>
(S) Toluene-d8	114		80.0-120		11/25/2021 09:28	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	115		77.0-126		11/25/2021 09:28	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	113		70.0-130		11/25/2021 09:28	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1260		20.0	1	11/23/2021 14:10	<a href="#">WG1779073</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	100		10.0	10	12/08/2021 00:45	<a href="#">WG1785625</a>
Sulfate	473		50.0	10	12/08/2021 00:45	<a href="#">WG1785625</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	11/25/2021 09:48	<a href="#">WG1779948</a>
Toluene	ND		0.00100	1	11/25/2021 09:48	<a href="#">WG1779948</a>
Ethylbenzene	ND		0.00100	1	11/25/2021 09:48	<a href="#">WG1779948</a>
Xylenes, Total	ND		0.00300	1	11/25/2021 09:48	<a href="#">WG1779948</a>
Naphthalene	ND	<a href="#">J4</a>	0.00500	1	11/25/2021 09:48	<a href="#">WG1779948</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:48	<a href="#">WG1779948</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	11/25/2021 09:48	<a href="#">WG1779948</a>
(S) Toluene-d8	109		80.0-120		11/25/2021 09:48	<a href="#">WG1779948</a>
(S) 4-Bromofluorobenzene	110		77.0-126		11/25/2021 09:48	<a href="#">WG1779948</a>
(S) 1,2-Dichloroethane-d4	110		70.0-130		11/25/2021 09:48	<a href="#">WG1779948</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Method Blank (MB)

(MB) R3734195-1 11/23/21 14:10

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1432107-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1432107-02 11/23/21 14:10 • (DUP) R3734195-3 11/23/21 14:10

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	783	825	1	5.31	<u>J3</u>	5

L1432321-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1432321-01 11/23/21 14:10 • (DUP) R3734195-4 11/23/21 14:10

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1400	1550	1	9.90	<u>J3</u>	5

Laboratory Control Sample (LCS)

(LCS) R3734195-2 11/23/21 14:10

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8340	94.8	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3734199-1 11/23/21 17:57

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1432826-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1432826-03 11/23/21 17:57 • (DUP) R3734199-3 11/23/21 17:57

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	303	322	1	6.08	J3	5

L1432912-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1432912-05 11/23/21 17:57 • (DUP) R3734199-4 11/23/21 17:57

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	771	783	1	1.54		5

Laboratory Control Sample (LCS)

(LCS) R3734199-2 11/23/21 17:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8510	96.7	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3738375-1 12/07/21 21:01

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1432694-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1432694-02 12/07/21 22:25 • (DUP) R3738375-4 12/07/21 22:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	102	104	10	1.99		15
Sulfate	829	845	10	1.95		15

L1433226-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1433226-01 12/08/21 02:07 • (DUP) R3738375-5 12/08/21 02:19

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	2.40	2.39	1	0.480		15
Sulfate	ND	ND	1	0.0327		15

Laboratory Control Sample (LCS)

(LCS) R3738375-2 12/07/21 21:13

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.9	102	80.0-120	
Sulfate	40.0	40.9	102	80.0-120	

L1432694-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1432694-01 12/07/21 21:50 • (MS) R3738375-3 12/07/21 22:02

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Chloride	50.0	68.6	116	94.6	1	80.0-120	E
Sulfate	50.0	403	434	62.2	1	80.0-120	E V

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1433226-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1433226-01 12/08/21 02:07 • (MS) R3738375-6 12/08/21 02:31 • (MSD) R3738375-7 12/08/21 02:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	2.40	52.5	52.5	100	100	1	80.0-120			0.0428	15
Sulfate	50.0	ND	54.0	54.0	98.2	98.1	1	80.0-120			0.0924	15



Method Blank (MB)

(MB) R3734415-2 11/24/21 05:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	106			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3734415-1 11/24/21 04:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00480	96.0	70.0-123	
Ethylbenzene	0.00500	0.00459	91.8	79.0-123	
Naphthalene	0.00500	0.00566	113	54.0-135	
Toluene	0.00500	0.00483	96.6	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00509	102	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00491	98.2	76.0-122	
Xylenes, Total	0.0150	0.0144	96.0	79.0-123	
(S) Toluene-d8			105	80.0-120	
(S) 4-Bromofluorobenzene			104	77.0-126	
(S) 1,2-Dichloroethane-d4			125	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3734596-2 11/25/21 07:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	113			80.0-120
(S) 4-Bromofluorobenzene	111			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3734596-1 11/25/21 06:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00524	105	70.0-123	
Ethylbenzene	0.00500	0.00519	104	79.0-123	
Naphthalene	0.00500	0.00679	136	54.0-135	J4
Toluene	0.00500	0.00501	100	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00532	106	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00522	104	76.0-122	
Xylenes, Total	0.0150	0.0168	112	79.0-123	
(S) Toluene-d8			110	80.0-120	
(S) 4-Bromofluorobenzene			111	77.0-126	
(S) 1,2-Dichloroethane-d4			108	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3734846-4 11/29/21 12:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	100			80.0-120
(S) 4-Bromofluorobenzene	102			77.0-126
(S) 1,2-Dichloroethane-d4	93.7			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3734846-1 11/29/21 10:41 • (LCSD) R3734846-2 11/29/21 11:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00474	0.00451	94.8	90.2	70.0-123			4.97	20
Ethylbenzene	0.00500	0.00454	0.00447	90.8	89.4	79.0-123			1.55	20
Naphthalene	0.00500	0.00436	0.00441	87.2	88.2	54.0-135			1.14	20
Toluene	0.00500	0.00465	0.00444	93.0	88.8	79.0-120			4.62	20
1,2,4-Trimethylbenzene	0.00500	0.00456	0.00445	91.2	89.0	76.0-121			2.44	20
1,3,5-Trimethylbenzene	0.00500	0.00459	0.00435	91.8	87.0	76.0-122			5.37	20
Xylenes, Total	0.0150	0.0133	0.0130	88.7	86.7	79.0-123			2.28	20
(S) Toluene-d8				94.2	96.3	80.0-120				
(S) 4-Bromofluorobenzene				98.6	97.4	77.0-126				
(S) 1,2-Dichloroethane-d4				99.4	98.3	70.0-130				

L1434192-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1434192-02 11/29/21 17:29 • (MS) R3734846-5 11/29/21 21:03 • (MSD) R3734846-6 11/29/21 21:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	ND	0.00534	0.00355	107	71.0	1	17.0-158		J3	40.3	27
Ethylbenzene	0.00500	ND	0.00482	0.00242	96.4	48.4	1	30.0-155		J3	66.3	27
Naphthalene	0.00500	ND	ND	ND	64.4	60.4	1	12.0-156			6.41	35
Toluene	0.00500	ND	0.00507	0.00301	101	60.2	1	26.0-154		J3	51.0	28
1,2,4-Trimethylbenzene	0.00500	ND	0.00477	0.00239	95.4	47.8	1	26.0-154		J3	66.5	27
1,3,5-Trimethylbenzene	0.00500	ND	0.00464	0.00226	92.8	45.2	1	28.0-153		J3	69.0	27
Xylenes, Total	0.0150	ND	0.0147	0.00758	98.0	50.5	1	29.0-154		J3	63.9	28

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



L1434192-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1434192-02 11/29/21 17:29 • (MS) R3734846-5 11/29/21 21:03 • (MSD) R3734846-6 11/29/21 21:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Toluene-d8					94.4	98.5		80.0-120				
(S) 4-Bromofluorobenzene					97.6	98.6		77.0-126				
(S) 1,2-Dichloroethane-d4					99.7	98.1		70.0-130				

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

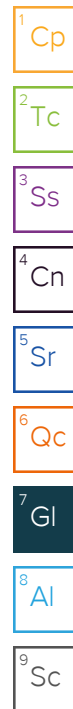
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

Report to:  
Stuart Hall

Project Description: Baker Canyon

Phone: 970-640-0568

Collected by (print):

Collected by (signature):

Immediately  
Packed on Ice N ☐ Y ☒

Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Email To: shall@entradainc.com;

City/State  
Collected: DeBeque, CO

Please Circle:  
PT ☒ MT ☐ CT ☐ ET

Client Project #

Lab Project #  
ENTCONJCO-915

Site/Facility ID #

P.O. #

**Rush?** (Lab MUST Be Notified)

☐ Same Day ☒ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☐ Two Day ☐ 10 Day (Rad Only)  
☐ Three Day

Quote #

Date Results Needed

No.  
of  
Cnts

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	CHLORIDE,SULFATE 125mlHDPE-NoPres	TDS 250mlHDPE-NoPres	V8260 40mlAmb-HCl										
20211116-BC-MW1	Grab	GW		11/16/21	900	5	X	X	X										-01
20211116-BC-MW2					930														-02
20211116-BC-MW3					1000														-03
20211116-BC-MW4					1030														-04
20211116-BC-MW5					1100														-05
20211116-BC-MW6					1130														-06
20211116-BC-MW7					1200														-07
20211116-BC-MW8					1230														-08
20211116-BC-MW9					1300														-09
20211116-BC-MW10	✓	✓		✓	1330	✓	✓	✓	✓										-10

\* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

5016 1232 0824

Relinquished by: (Signature)

Date:

11/16/21

Time:

1600

Received by: (Signature)

[Signature]

Trip Blank Received: Yes ☒ No ☐  
HCL / MeOH  
TBR

Relinquished by: (Signature)

Date:

11/16/21

Time:

1700

Received by: (Signature)

[Signature]

Temp: 43.2°C  
2.22e22  
Bottles Received: 55

Relinquished by: (Signature)

Date:

11/17/21

Time:

900

Received for lab by: (Signature)

[Signature]

Date: 11/17/21  
Time: 900

Hold:

Condition:  
NCF 10K

Analysis / Container / Preservative

Pres  
Chk

Chain of Custody Page 1 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



SDG # 114326814  
**B015**

Acctnum: ENTCONJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

Remarks Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

Report to:  
**Stuart Hall**

Project Description:

*Baker Canyon*

Phone: **970-640-0568**

Collected by (print):

*J. McLarty*

Collected by (signature):

*J. McLarty*

Immediately  
Packed on Ice N ☐ Y ☒

Billing Information:

**Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501**

Email To: [shall@entradainc.com](mailto:shall@entradainc.com)

City/State

Collected: *DeBeque, CO*

Please Circle:

PT ☒ MT ☐ CT ☐ ET

Client Project #

Lab Project #

**ENTCONGJCO-915**

Site/Facility ID #

P.O. #

**Rush?** (Lab MUST Be Notified)

☐ Same Day ☒ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☐ Two Day ☐ 10 Day (Rad Only)  
☐ Three Day

Quote #

Date Results Needed

No.  
of  
Cnts

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

*20211116-BC-SW1*

*Grab*

*GW*

*11/16/21*

*1400*

*5*

*X*

*X*

*X*

Analysis / Container / Preservative

CHLORIDE,SULFATE 125mlHDPE-NoPres

TDS 250mlHDPE-NoPres

V8260 40mlAmb-HCl

Chain of Custody

Page 2 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



SDG # *U432694*

Table #

Acctnum: **ENTCONGJCO**

Template: **T180606**

Prelogin: **P822085**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

*-11*

\* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

*[Signature]*

Date:

*11/16/21*

Time:

*1600*

Received by: (Signature)

*[Signature]*

Trip Blank Received: Yes / ☒ No

HCL / MeOH

TBR

Temp: *13* °C

Bottles Received: *SS*

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

*[Signature]*

Date:

*11/16/21*

Time:

*1700*

Received by: (Signature)

*[Signature]*

Date:

*11/17/21*

Time:

*900*

If preservation required by Login: Date/Time

Relinquished by: (Signature)

*[Signature]*

Date:

*11/17/21*

Time:

*900*

Received for lab by: (Signature)

*[Signature]*

Hold:

Condition:

NCF *OK*



**Entrada Consulting Group**

Sample Delivery Group: L1441688  
Samples Received: 12/14/2021  
Project Number:  
Description: Baker Canyon Spill  
  
Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

## BC-MW1 L1441688-01 GW

Collected by J. McLarty  
Collected date/time 12/13/21 09:00  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789804	1	12/15/21 12:26	12/15/21 14:29	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	1	12/18/21 04:52	12/18/21 04:52	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	5	12/18/21 05:36	12/18/21 05:36	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/15/21 23:41	12/15/21 23:41	JCP	Mt. Juliet, TN

## BC-MW2 L1441688-02 GW

Collected by J. McLarty  
Collected date/time 12/13/21 09:30  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789986	1	12/15/21 15:20	12/15/21 17:37	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 05:51	12/18/21 05:51	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 00:01	12/16/21 00:01	JCP	Mt. Juliet, TN

## BC-MW3 L1441688-03 GW

Collected by J. McLarty  
Collected date/time 12/13/21 10:00  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789804	1	12/15/21 12:26	12/15/21 14:29	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 06:21	12/18/21 06:21	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 00:20	12/16/21 00:20	JCP	Mt. Juliet, TN

## BC-MW4 L1441688-04 GW

Collected by J. McLarty  
Collected date/time 12/13/21 10:30  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789804	1	12/15/21 12:26	12/15/21 14:29	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	20	12/18/21 06:36	12/18/21 06:36	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 00:40	12/16/21 00:40	JCP	Mt. Juliet, TN

## BC-MW5 L1441688-05 GW

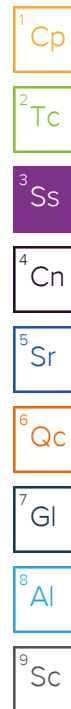
Collected by J. McLarty  
Collected date/time 12/13/21 11:00  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789827	1	12/15/21 12:42	12/15/21 16:55	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 07:21	12/18/21 07:21	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	10	12/16/21 03:38	12/16/21 03:38	JCP	Mt. Juliet, TN

## BC-MW6 L1441688-06 GW

Collected by J. McLarty  
Collected date/time 12/13/21 11:30  
Received date/time 12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789827	1	12/15/21 12:42	12/15/21 16:55	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	20	12/18/21 07:36	12/18/21 07:36	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 01:00	12/16/21 01:00	JCP	Mt. Juliet, TN





# SAMPLE SUMMARY

## BC-MW7 L1441688-07 GW

Collected by  
J. McLarty

Collected date/time  
12/13/21 12:00

Received date/time  
12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789986	1	12/15/21 15:20	12/15/21 17:37	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	20	12/18/21 07:51	12/18/21 07:51	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 01:19	12/16/21 01:19	JCP	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## BC-MW8 L1441688-08 GW

Collected by  
J. McLarty

Collected date/time  
12/13/21 12:30

Received date/time  
12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789986	1	12/15/21 15:20	12/15/21 17:37	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	20	12/18/21 08:05	12/18/21 08:05	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 01:39	12/16/21 01:39	JCP	Mt. Juliet, TN

## BC-MW9 L1441688-09 GW

Collected by  
J. McLarty

Collected date/time  
12/13/21 13:00

Received date/time  
12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789827	1	12/15/21 12:42	12/15/21 16:55	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 08:20	12/18/21 08:20	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	20	12/16/21 03:57	12/16/21 03:57	JCP	Mt. Juliet, TN

## BC-MW10 L1441688-10 GW

Collected by  
J. McLarty

Collected date/time  
12/13/21 13:30

Received date/time  
12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789827	1	12/15/21 12:42	12/15/21 16:55	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 08:35	12/18/21 08:35	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 01:59	12/16/21 01:59	JCP	Mt. Juliet, TN

## BC-MW11 L1441688-11 GW

Collected by  
J. McLarty

Collected date/time  
12/13/21 14:00

Received date/time  
12/14/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1789827	1	12/15/21 12:42	12/15/21 16:55	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	1	12/18/21 09:05	12/18/21 09:05	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1791522	10	12/18/21 09:35	12/18/21 09:35	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789575	1	12/16/21 02:19	12/16/21 02:19	JCP	Mt. Juliet, TN

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward  
Project Manager



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1180		20.0	1	12/15/2021 14:29	<a href="#">WG1789804</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	69.9		1.00	1	12/18/2021 04:52	<a href="#">WG1791522</a>
Sulfate	459		25.0	5	12/18/2021 05:36	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/15/2021 23:41	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/15/2021 23:41	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/15/2021 23:41	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/15/2021 23:41	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/15/2021 23:41	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/15/2021 23:41	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/15/2021 23:41	<a href="#">WG1789575</a>
(S) Toluene-d8	107		80.0-120		12/15/2021 23:41	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	93.9		77.0-126		12/15/2021 23:41	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	115		70.0-130		12/15/2021 23:41	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1870		20.0	1	12/15/2021 17:37	<a href="#">WG1789986</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	97.9		10.0	10	12/18/2021 05:51	<a href="#">WG1791522</a>
Sulfate	813		50.0	10	12/18/2021 05:51	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 00:01	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 00:01	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 00:01	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 00:01	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 00:01	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:01	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:01	<a href="#">WG1789575</a>
(S) Toluene-d8	109		80.0-120		12/16/2021 00:01	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	93.6		77.0-126		12/16/2021 00:01	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	113		70.0-130		12/16/2021 00:01	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1420	<a href="#">J3</a>	20.0	1	12/15/2021 14:29	<a href="#">WG1789804</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	72.5		10.0	10	12/18/2021 06:21	<a href="#">WG1791522</a>
Sulfate	675		50.0	10	12/18/2021 06:21	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.0120		0.00100	1	12/16/2021 00:20	<a href="#">WG1789575</a>
Toluene	0.0221		0.00100	1	12/16/2021 00:20	<a href="#">WG1789575</a>
Ethylbenzene	0.00127		0.00100	1	12/16/2021 00:20	<a href="#">WG1789575</a>
Xylenes, Total	0.0165		0.00300	1	12/16/2021 00:20	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 00:20	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:20	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:20	<a href="#">WG1789575</a>
(S) Toluene-d8	111		80.0-120		12/16/2021 00:20	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	95.8		77.0-126		12/16/2021 00:20	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	112		70.0-130		12/16/2021 00:20	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1910		25.0	1	12/15/2021 14:29	<a href="#">WG1789804</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	116		20.0	20	12/18/2021 06:36	<a href="#">WG1791522</a>
Sulfate	1060		100	20	12/18/2021 06:36	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 00:40	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 00:40	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 00:40	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 00:40	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 00:40	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:40	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 00:40	<a href="#">WG1789575</a>
(S) Toluene-d8	109		80.0-120		12/16/2021 00:40	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	89.1		77.0-126		12/16/2021 00:40	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	111		70.0-130		12/16/2021 00:40	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1590	J3	20.0	1	12/15/2021 16:55	WG1789827

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	75.5		10.0	10	12/18/2021 07:21	WG1791522
Sulfate	764		50.0	10	12/18/2021 07:21	WG1791522

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.500		0.0100	10	12/16/2021 03:38	WG1789575
Toluene	ND		0.0100	10	12/16/2021 03:38	WG1789575
Ethylbenzene	ND		0.0100	10	12/16/2021 03:38	WG1789575
Xylenes, Total	0.0415		0.0300	10	12/16/2021 03:38	WG1789575
Naphthalene	ND		0.0500	10	12/16/2021 03:38	WG1789575
1,2,4-Trimethylbenzene	ND		0.0100	10	12/16/2021 03:38	WG1789575
1,3,5-Trimethylbenzene	ND		0.0100	10	12/16/2021 03:38	WG1789575
(S) Toluene-d8	111		80.0-120		12/16/2021 03:38	WG1789575
(S) 4-Bromofluorobenzene	95.6		77.0-126		12/16/2021 03:38	WG1789575
(S) 1,2-Dichloroethane-d4	117		70.0-130		12/16/2021 03:38	WG1789575

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2130		25.0	1	12/15/2021 16:55	<a href="#">WG1789827</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	126		20.0	20	12/18/2021 07:36	<a href="#">WG1791522</a>
Sulfate	1010		100	20	12/18/2021 07:36	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 01:00	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 01:00	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 01:00	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 01:00	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 01:00	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:00	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:00	<a href="#">WG1789575</a>
(S) Toluene-d8	110		80.0-120		12/16/2021 01:00	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	95.1		77.0-126		12/16/2021 01:00	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	114		70.0-130		12/16/2021 01:00	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2250		25.0	1	12/15/2021 17:37	<a href="#">WG1789986</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	127		20.0	20	12/18/2021 07:51	<a href="#">WG1791522</a>
Sulfate	1010		100	20	12/18/2021 07:51	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 01:19	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 01:19	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 01:19	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 01:19	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 01:19	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:19	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:19	<a href="#">WG1789575</a>
(S) Toluene-d8	107		80.0-120		12/16/2021 01:19	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	90.8		77.0-126		12/16/2021 01:19	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	111		70.0-130		12/16/2021 01:19	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2200		25.0	1	12/15/2021 17:37	<a href="#">WG1789986</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	116		20.0	20	12/18/2021 08:05	<a href="#">WG1791522</a>
Sulfate	1010		100	20	12/18/2021 08:05	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 01:39	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 01:39	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 01:39	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 01:39	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 01:39	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:39	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:39	<a href="#">WG1789575</a>
(S) Toluene-d8	115		80.0-120		12/16/2021 01:39	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	94.3		77.0-126		12/16/2021 01:39	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	113		70.0-130		12/16/2021 01:39	<a href="#">WG1789575</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1720		20.0	1	12/15/2021 16:55	<a href="#">WG1789827</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	82.8		10.0	10	12/18/2021 08:20	<a href="#">WG1791522</a>
Sulfate	808		50.0	10	12/18/2021 08:20	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.951		0.0200	20	12/16/2021 03:57	<a href="#">WG1789575</a>
Toluene	ND		0.0200	20	12/16/2021 03:57	<a href="#">WG1789575</a>
Ethylbenzene	0.0376		0.0200	20	12/16/2021 03:57	<a href="#">WG1789575</a>
Xylenes, Total	0.300		0.0600	20	12/16/2021 03:57	<a href="#">WG1789575</a>
Naphthalene	ND		0.100	20	12/16/2021 03:57	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.0200	20	12/16/2021 03:57	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.0200	20	12/16/2021 03:57	<a href="#">WG1789575</a>
(S) Toluene-d8	109		80.0-120		12/16/2021 03:57	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	91.5		77.0-126		12/16/2021 03:57	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	113		70.0-130		12/16/2021 03:57	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1640		20.0	1	12/15/2021 16:55	<a href="#">WG1789827</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	75.0		10.0	10	12/18/2021 08:35	<a href="#">WG1791522</a>
Sulfate	734		50.0	10	12/18/2021 08:35	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 01:59	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 01:59	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 01:59	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 01:59	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 01:59	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:59	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 01:59	<a href="#">WG1789575</a>
(S) Toluene-d8	106		80.0-120		12/16/2021 01:59	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	92.0		77.0-126		12/16/2021 01:59	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	114		70.0-130		12/16/2021 01:59	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1010		13.3	1	12/15/2021 16:55	<a href="#">WG1789827</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	82.9		1.00	1	12/18/2021 09:05	<a href="#">WG1791522</a>
Sulfate	328		50.0	10	12/18/2021 09:35	<a href="#">WG1791522</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/16/2021 02:19	<a href="#">WG1789575</a>
Toluene	ND		0.00100	1	12/16/2021 02:19	<a href="#">WG1789575</a>
Ethylbenzene	ND		0.00100	1	12/16/2021 02:19	<a href="#">WG1789575</a>
Xylenes, Total	ND		0.00300	1	12/16/2021 02:19	<a href="#">WG1789575</a>
Naphthalene	ND		0.00500	1	12/16/2021 02:19	<a href="#">WG1789575</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/16/2021 02:19	<a href="#">WG1789575</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/16/2021 02:19	<a href="#">WG1789575</a>
(S) Toluene-d8	107		80.0-120		12/16/2021 02:19	<a href="#">WG1789575</a>
(S) 4-Bromofluorobenzene	88.4		77.0-126		12/16/2021 02:19	<a href="#">WG1789575</a>
(S) 1,2-Dichloroethane-d4	111		70.0-130		12/16/2021 02:19	<a href="#">WG1789575</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Method Blank (MB)

(MB) R3741676-1 12/15/21 14:29

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1441656-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1441656-04 12/15/21 14:29 • (DUP) R3741676-3 12/15/21 14:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	276	294	1	6.32	J3	5

L1441688-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1441688-03 12/15/21 14:29 • (DUP) R3741676-4 12/15/21 14:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1420	1500	1	5.35	J3	5

Laboratory Control Sample (LCS)

(LCS) R3741676-2 12/15/21 14:29

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8670	98.5	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3741709-1 12/15/21 16:55

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1441656-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1441656-07 12/15/21 16:55 • (DUP) R3741709-3 12/15/21 16:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	236	237	1	0.423		5

L1441688-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1441688-05 12/15/21 16:55 • (DUP) R3741709-4 12/15/21 16:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1590	1700	1	6.32	J3	5

Laboratory Control Sample (LCS)

(LCS) R3741709-2 12/15/21 16:55

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8310	94.4	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3741712-1 12/15/21 17:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1441548-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1441548-01 12/15/21 17:37 • (DUP) R3741712-3 12/15/21 17:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Dissolved Solids	2750	2780	1	1.09		5

L1441586-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1441586-01 12/15/21 17:37 • (DUP) R3741712-4 12/15/21 17:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Dissolved Solids	1820	1830	1	0.547		5

Laboratory Control Sample (LCS)

(LCS) R3741712-2 12/15/21 17:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Dissolved Solids	8800	8610	97.8	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3743435-1 12/18/21 04:22

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1441688-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1441688-02 12/18/21 05:51 • (DUP) R3743435-5 12/18/21 06:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	97.9	96.4	10	1.57		15
Sulfate	813	800	10	1.69		15

L1441688-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1441688-10 12/18/21 08:35 • (DUP) R3743435-6 12/18/21 08:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	75.0	75.9	10	1.11		15
Sulfate	734	733	10	0.0660		15

Laboratory Control Sample (LCS)

(LCS) R3743435-2 12/18/21 04:37

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.1	97.8	80.0-120	
Sulfate	40.0	39.5	98.7	80.0-120	

L1441688-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1441688-01 12/18/21 04:52 • (MS) R3743435-3 12/18/21 05:07 • (MSD) R3743435-4 12/18/21 05:22

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	69.9	116	117	92.6	94.4	1	80.0-120	E	E	0.737	15
Sulfate	50.0	448	441	444	0.000	0.000	1	80.0-120	E V	E V	0.731	15

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1441688-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1441688-11 12/18/21 09:05 • (MS) R3743435-7 12/18/21 09:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	82.9	128	90.7	1	80.0-120	<u>E</u>
Sulfate	50.0	324	329	9.04	1	80.0-120	<u>E V</u>

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3741469-2 12/15/21 20:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	95.3			77.0-126
(S) 1,2-Dichloroethane-d4	116			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3741469-1 12/15/21 19:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00511	102	70.0-123	
Ethylbenzene	0.00500	0.00449	89.8	79.0-123	
Naphthalene	0.00500	0.00521	104	54.0-135	
Toluene	0.00500	0.00471	94.2	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00498	99.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00507	101	76.0-122	
Xylenes, Total	0.0150	0.0135	90.0	79.0-123	
(S) Toluene-d8			106	80.0-120	
(S) 4-Bromofluorobenzene			98.0	77.0-126	
(S) 1,2-Dichloroethane-d4			115	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

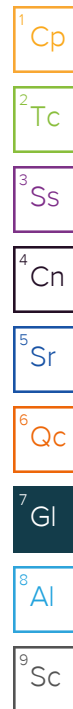
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

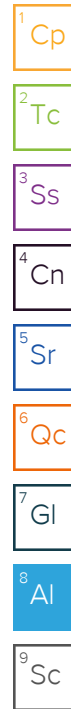
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

Report to:  
Stuart Hall

Project Description:

Baker Canyon Spill

City/State  
Collected:

De Beque, CO

Please Circle:  
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #

ENTCONGJCO-915

Collected by (print):

J McLarty

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Same Day ☒ Five Day  
Next Day ☐ 5 Day (Rad Only)  
Two Day ☐ 10 Day (Rad Only)  
Three Day ☐

Quote #

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

Pres  
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



SDG #

L1441688

Tabl

D047

Acctnum: ENTCONGJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE, SULFATE 125mLHDPE-NoPres	TDS 250mLHDPE-NoPres	V8260 40mLAmb-HCl										
2021213-BC-MW1	Grab	GW		12/13/21	900	5	X	X	X										01
2021213-BC-MW2					930														02
2021213-BC-MW3					1000														03
2021213-BC-MW4					1030														04
2021213-BC-MW5					1100														05
2021213-BC-MW6					1130														06
2021213-BC-MW7					1200														07
2021213-BC-MW8					1230														08
2021213-BC-MW9					1300														09
2021213-BC-MW10					1330														10

\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - Waste Water  
DW - Drinking Water  
OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

5016 1232 0272

Relinquished by: (Signature)

Date:

12/13/21

Time:

11600

Received by: (Signature)

Trip Blank Received: Yes ☒ No ☐

HCL / MeOH  
TBR

Relinquished by: (Signature)

Date:

12/13/21

Time:

1700

Received by: (Signature)

Temp: °C Bottles Received:

3-740-37 55

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

12/14/21 0906

Hold:

Condition:

NCF / OK

If preservation required by Login: Date/Time

Sample Receipt Checklist  
COC Seal Present/Intact: ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page 2 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859

Report to:  
Stuart Hall

Email To: shall@entradainc.com;

## Project Description:

Baker Canyon Spill

City/State  
Collected: DeBeque, CO

Please Circle:  
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #

ENTCONGJCO-915

Collected by (print):

J. Mcarty

Site/Facility ID #

P.O. #

Collected by (signature):

J. Mcarty

Rush? (Lab MUST Be Notified)

\_\_\_ Same Day \_\_\_ Five Day  
\_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
\_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
\_\_\_ Three Day

Quote #

Date Results Needed

No.  
of  
Cnts

Immediately  
Packed on Ice N \_\_\_ Y ✓

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

20211213-BC-SW1

Grab

GW

12/13/21

1400

5

X

X

X

SDG #

11441688

Table #

Acctnum: ENTCONGJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

Remarks

Sample # (lab only)

-11

## \* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - Wastewater  
DW - Drinking Water  
OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

\_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

Tracking # 5016 1232 024

Relinquished by: (Signature)

J. Mcarty

Date:

12/13/21

Time:

1600

Received by: (Signature)

J. Mcarty

Trip Blank Received: Yes (No)

HCL / MeOH  
TBR

Relinquished by: (Signature)

J. Mcarty

Date:

12/13/21

Time:

1700

Received by: (Signature)

J. Mcarty

Temp: °C Bottles Received:

3.740-3.7 75

If preservation required by Login: Date/Time

Relinquished by: (Signature)

J. Mcarty

Date:

12/14/21

Time:

0900

Received for lab by: (Signature)

J. Mcarty

Date:

12/14/21

Time:

0900

Hold:

Condition:

NCF / OK

## Sample Receipt Checklist

COC Seal Present/Intact: NP Y N  
COC Signed/Accurate: Y N  
Bottles arrive intact: Y N  
Correct bottles used: Y N  
Sufficient volume sent: Y N  
If Applicable  
VOA Zero Headspace: Y N  
Preservation Correct/Checked: Y N  
RAD Screen <0.5 mR/hr: Y N

**Entrada Consulting Group**

Sample Delivery Group: L1436321  
Samples Received: 11/30/2021  
Project Number:  
Description: Baker Canyon Spill

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)



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<sup>1</sup> Cp
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<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

# SAMPLE SUMMARY

## 20211129-BC-MW1 L1436321-01 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 09:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/04/21 21:29	12/04/21 21:29	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783144	1	12/02/21 19:11	12/02/21 19:11	ADM	Mt. Juliet, TN

## 20211129-BC-MW2 L1436321-02 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 09:30

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/04/21 22:08	12/04/21 22:08	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783144	1	12/02/21 19:32	12/02/21 19:32	ADM	Mt. Juliet, TN

## 20211129-BC-MW3 L1436321-03 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 10:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/04/21 22:28	12/04/21 22:28	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 19:31	12/02/21 19:31	JCP	Mt. Juliet, TN

## 20211129-BC-MW4 L1436321-04 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 10:30

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	20	12/04/21 22:48	12/04/21 22:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 19:52	12/02/21 19:52	JCP	Mt. Juliet, TN

## 20211129-BC-MW5 L1436321-05 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 11:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/04/21 23:07	12/04/21 23:07	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1785091	10	12/07/21 11:02	12/07/21 11:02	ADM	Mt. Juliet, TN

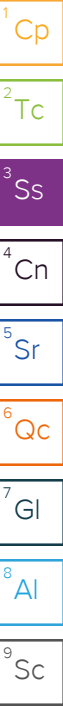
## 20211129-BC-MW6 L1436321-06 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 11:30

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	20	12/05/21 00:07	12/05/21 00:07	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 20:12	12/02/21 20:12	JCP	Mt. Juliet, TN



# SAMPLE SUMMARY

## 20211129-BC-MW7 L1436321-07 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 12:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	20	12/05/21 01:06	12/05/21 01:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 21:00	12/02/21 21:00	JCP	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

## 20211129-BC-MW8 L1436321-08 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 12:30

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	20	12/05/21 01:25	12/05/21 01:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 21:21	12/02/21 21:21	JCP	Mt. Juliet, TN

## 20211129-BC-MW9 L1436321-09 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 13:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/05/21 01:45	12/05/21 01:45	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1785091	20	12/07/21 11:23	12/07/21 11:23	ADM	Mt. Juliet, TN

## 20211129-BC-MW10 L1436321-10 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 13:30

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/05/21 02:05	12/05/21 02:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 21:41	12/02/21 21:41	JCP	Mt. Juliet, TN

## 20211129-BC-SW1 L1436321-11 GW

Collected by  
J McLarty

Collected date/time  
11/29/21 14:00

Received date/time  
11/30/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1782448	1	12/01/21 12:41	12/01/21 14:09	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1784174	10	12/05/21 02:25	12/05/21 02:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1783334	1	12/02/21 22:02	12/02/21 22:02	JCP	Mt. Juliet, TN

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

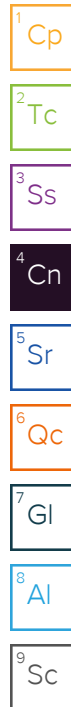


Chris Ward  
Project Manager

## Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<a href="#">L1436321-09</a>	<a href="#">20211129-BC-MW9</a>	8260B



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1140		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	67.5		10.0	10	12/04/2021 21:29	<a href="#">WG1784174</a>
Sulfate	463		50.0	10	12/04/2021 21:29	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 19:11	<a href="#">WG1783144</a>
Toluene	ND		0.00100	1	12/02/2021 19:11	<a href="#">WG1783144</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 19:11	<a href="#">WG1783144</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 19:11	<a href="#">WG1783144</a>
Naphthalene	ND		0.00500	1	12/02/2021 19:11	<a href="#">WG1783144</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:11	<a href="#">WG1783144</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:11	<a href="#">WG1783144</a>
(S) Toluene-d8	101		80.0-120		12/02/2021 19:11	<a href="#">WG1783144</a>
(S) 4-Bromofluorobenzene	96.6		77.0-126		12/02/2021 19:11	<a href="#">WG1783144</a>
(S) 1,2-Dichloroethane-d4	91.4		70.0-130		12/02/2021 19:11	<a href="#">WG1783144</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1740		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	97.3		10.0	10	12/04/2021 22:08	<a href="#">WG1784174</a>
Sulfate	832		50.0	10	12/04/2021 22:08	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 19:32	<a href="#">WG1783144</a>
Toluene	ND		0.00100	1	12/02/2021 19:32	<a href="#">WG1783144</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 19:32	<a href="#">WG1783144</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 19:32	<a href="#">WG1783144</a>
Naphthalene	ND		0.00500	1	12/02/2021 19:32	<a href="#">WG1783144</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:32	<a href="#">WG1783144</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:32	<a href="#">WG1783144</a>
(S) Toluene-d8	101		80.0-120		12/02/2021 19:32	<a href="#">WG1783144</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/02/2021 19:32	<a href="#">WG1783144</a>
(S) 1,2-Dichloroethane-d4	91.0		70.0-130		12/02/2021 19:32	<a href="#">WG1783144</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1390		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	72.3		10.0	10	12/04/2021 22:28	<a href="#">WG1784174</a>
Sulfate	604		50.0	10	12/04/2021 22:28	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00295		0.00100	1	12/02/2021 19:31	<a href="#">WG1783334</a>
Toluene	0.00599		0.00100	1	12/02/2021 19:31	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 19:31	<a href="#">WG1783334</a>
Xylenes, Total	0.00485		0.00300	1	12/02/2021 19:31	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 19:31	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:31	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:31	<a href="#">WG1783334</a>
(S) Toluene-d8	109		80.0-120		12/02/2021 19:31	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	96.5		77.0-126		12/02/2021 19:31	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	119		70.0-130		12/02/2021 19:31	<a href="#">WG1783334</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1900		25.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	109		20.0	20	12/04/2021 22:48	<a href="#">WG1784174</a>
Sulfate	1000		100	20	12/04/2021 22:48	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00121		0.00100	1	12/02/2021 19:52	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 19:52	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 19:52	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 19:52	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 19:52	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:52	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 19:52	<a href="#">WG1783334</a>
(S) Toluene-d8	104		80.0-120		12/02/2021 19:52	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	93.8		77.0-126		12/02/2021 19:52	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	115		70.0-130		12/02/2021 19:52	<a href="#">WG1783334</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1540		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	75.5		10.0	10	12/04/2021 23:07	<a href="#">WG1784174</a>
Sulfate	717	<u>V</u>	50.0	10	12/04/2021 23:07	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.381		0.0100	10	12/07/2021 11:02	<a href="#">WG1785091</a>
Toluene	ND		0.0100	10	12/07/2021 11:02	<a href="#">WG1785091</a>
Ethylbenzene	ND		0.0100	10	12/07/2021 11:02	<a href="#">WG1785091</a>
Xylenes, Total	0.0313		0.0300	10	12/07/2021 11:02	<a href="#">WG1785091</a>
Naphthalene	ND		0.0500	10	12/07/2021 11:02	<a href="#">WG1785091</a>
1,2,4-Trimethylbenzene	ND		0.0100	10	12/07/2021 11:02	<a href="#">WG1785091</a>
1,3,5-Trimethylbenzene	ND		0.0100	10	12/07/2021 11:02	<a href="#">WG1785091</a>
(S) Toluene-d8	97.2		80.0-120		12/07/2021 11:02	<a href="#">WG1785091</a>
(S) 4-Bromofluorobenzene	103		77.0-126		12/07/2021 11:02	<a href="#">WG1785091</a>
(S) 1,2-Dichloroethane-d4	100		70.0-130		12/07/2021 11:02	<a href="#">WG1785091</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1930		25.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	121		20.0	20	12/05/2021 00:07	<a href="#">WG1784174</a>
Sulfate	959		100	20	12/05/2021 00:07	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 20:12	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 20:12	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 20:12	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 20:12	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 20:12	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 20:12	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 20:12	<a href="#">WG1783334</a>
(S) Toluene-d8	105		80.0-120		12/02/2021 20:12	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	95.0		77.0-126		12/02/2021 20:12	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	123		70.0-130		12/02/2021 20:12	<a href="#">WG1783334</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1950		25.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	125		20.0	20	12/05/2021 01:06	<a href="#">WG1784174</a>
Sulfate	1000		100	20	12/05/2021 01:06	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 21:00	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 21:00	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 21:00	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 21:00	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 21:00	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:00	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:00	<a href="#">WG1783334</a>
(S) Toluene-d8	101		80.0-120		12/02/2021 21:00	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	97.1		77.0-126		12/02/2021 21:00	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	123		70.0-130		12/02/2021 21:00	<a href="#">WG1783334</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1880		25.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	116		20.0	20	12/05/2021 01:25	<a href="#">WG1784174</a>
Sulfate	988		100	20	12/05/2021 01:25	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 21:21	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 21:21	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 21:21	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 21:21	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 21:21	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:21	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:21	<a href="#">WG1783334</a>
(S) Toluene-d8	107		80.0-120		12/02/2021 21:21	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	97.8		77.0-126		12/02/2021 21:21	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	117		70.0-130		12/02/2021 21:21	<a href="#">WG1783334</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1580		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	78.4		10.0	10	12/05/2021 01:45	<a href="#">WG1784174</a>
Sulfate	749		50.0	10	12/05/2021 01:45	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.889		0.0200	20	12/07/2021 11:23	<a href="#">WG1785091</a>
Toluene	ND		0.0200	20	12/07/2021 11:23	<a href="#">WG1785091</a>
Ethylbenzene	0.0377		0.0200	20	12/07/2021 11:23	<a href="#">WG1785091</a>
Xylenes, Total	0.285		0.0600	20	12/07/2021 11:23	<a href="#">WG1785091</a>
Naphthalene	ND		0.100	20	12/07/2021 11:23	<a href="#">WG1785091</a>
1,2,4-Trimethylbenzene	ND		0.0200	20	12/07/2021 11:23	<a href="#">WG1785091</a>
1,3,5-Trimethylbenzene	ND		0.0200	20	12/07/2021 11:23	<a href="#">WG1785091</a>
(S) Toluene-d8	95.3		80.0-120		12/07/2021 11:23	<a href="#">WG1785091</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/07/2021 11:23	<a href="#">WG1785091</a>
(S) 1,2-Dichloroethane-d4	95.4		70.0-130		12/07/2021 11:23	<a href="#">WG1785091</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1490		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	74.9		10.0	10	12/05/2021 02:05	<a href="#">WG1784174</a>
Sulfate	740		50.0	10	12/05/2021 02:05	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 21:41	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 21:41	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 21:41	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 21:41	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 21:41	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:41	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 21:41	<a href="#">WG1783334</a>
(S) Toluene-d8	108		80.0-120		12/02/2021 21:41	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	96.9		77.0-126		12/02/2021 21:41	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	124		70.0-130		12/02/2021 21:41	<a href="#">WG1783334</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1040		20.0	1	12/01/2021 14:09	<a href="#">WG1782448</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	80.8		10.0	10	12/05/2021 02:25	<a href="#">WG1784174</a>
Sulfate	352		50.0	10	12/05/2021 02:25	<a href="#">WG1784174</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/02/2021 22:02	<a href="#">WG1783334</a>
Toluene	ND		0.00100	1	12/02/2021 22:02	<a href="#">WG1783334</a>
Ethylbenzene	ND		0.00100	1	12/02/2021 22:02	<a href="#">WG1783334</a>
Xylenes, Total	ND		0.00300	1	12/02/2021 22:02	<a href="#">WG1783334</a>
Naphthalene	ND		0.00500	1	12/02/2021 22:02	<a href="#">WG1783334</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/02/2021 22:02	<a href="#">WG1783334</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/02/2021 22:02	<a href="#">WG1783334</a>
(S) Toluene-d8	108		80.0-120		12/02/2021 22:02	<a href="#">WG1783334</a>
(S) 4-Bromofluorobenzene	93.2		77.0-126		12/02/2021 22:02	<a href="#">WG1783334</a>
(S) 1,2-Dichloroethane-d4	121		70.0-130		12/02/2021 22:02	<a href="#">WG1783334</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3736584-1 12/01/21 14:09

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

Laboratory Control Sample (LCS)

(LCS) R3736584-2 12/01/21 14:09

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8250	93.8	77.4-123	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) R3737822-1 12/04/21 11:39

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1438108-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1438108-03 12/04/21 17:13 • (DUP) R3737822-3 12/04/21 17:32

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	21.0	21.0	1	0.127		15

L1438108-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1438108-03 12/04/21 18:12 • (DUP) R3737822-5 12/04/21 18:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	506	508	10	0.438		15

L1436321-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1436321-01 12/04/21 21:29 • (DUP) R3737822-6 12/04/21 21:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	67.5	66.9	10	0.879		15
Sulfate	463	443	10	4.47		15

Laboratory Control Sample (LCS)

(LCS) R3737822-2 12/04/21 11:59

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	40.1	100	80.0-120	
Sulfate	40.0	40.4	101	80.0-120	

L1438108-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1438108-03 12/04/21 17:13 • (MS) R3737822-4 12/04/21 17:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	507	533	51.7	1	80.0-120	<u>E V</u>
Sulfate	50.0	21.0	71.3	101	1	80.0-120	

L1436321-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1436321-05 12/04/21 23:07 • (MS) R3737822-7 12/04/21 23:27 • (MSD) R3737822-8 12/04/21 23:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	50.0	75.5	120	119	90.0	86.4	10	80.0-120			1.51	15
Sulfate	50.0	717	723	712	11.7	0.000	10	80.0-120	<u>V</u>	<u>V</u>	1.46	15

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3736629-3 12/02/21 12:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	92.1			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3736629-1 12/02/21 11:03 • (LCSD) R3736629-2 12/02/21 11:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00480	0.00529	96.0	106	70.0-123			9.71	20
Ethylbenzene	0.00500	0.00473	0.00555	94.6	111	79.0-123			16.0	20
Naphthalene	0.00500	0.00478	0.00539	95.6	108	54.0-135			12.0	20
Toluene	0.00500	0.00503	0.00540	101	108	79.0-120			7.09	20
1,2,4-Trimethylbenzene	0.00500	0.00487	0.00535	97.4	107	76.0-121			9.39	20
1,3,5-Trimethylbenzene	0.00500	0.00518	0.00555	104	111	76.0-122			6.90	20
Xylenes, Total	0.0150	0.0148	0.0163	98.7	109	79.0-123			9.65	20
(S) Toluene-d8				99.7	103	80.0-120				
(S) 4-Bromofluorobenzene				99.7	102	77.0-126				
(S) 1,2-Dichloroethane-d4				95.1	91.2	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3737523-3 12/02/21 13:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	106			80.0-120
(S) 4-Bromofluorobenzene	87.4			77.0-126
(S) 1,2-Dichloroethane-d4	117			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3737523-1 12/02/21 12:10 • (LCSD) R3737523-2 12/02/21 12:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00444	0.00460	88.8	92.0	70.0-123			3.54	20
Ethylbenzene	0.00500	0.00465	0.00425	93.0	85.0	79.0-123			8.99	20
Naphthalene	0.00500	0.00457	0.00444	91.4	88.8	54.0-135			2.89	20
Toluene	0.00500	0.00435	0.00410	87.0	82.0	79.0-120			5.92	20
1,2,4-Trimethylbenzene	0.00500	0.00541	0.00518	108	104	76.0-121			4.34	20
1,3,5-Trimethylbenzene	0.00500	0.00522	0.00535	104	107	76.0-122			2.46	20
Xylenes, Total	0.0150	0.0139	0.0128	92.7	85.3	79.0-123			8.24	20
(S) Toluene-d8				103	99.7	80.0-120				
(S) 4-Bromofluorobenzene				99.4	90.3	77.0-126				
(S) 1,2-Dichloroethane-d4				118	120	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3737883-4 12/07/21 04:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	95.8			80.0-120
(S) 4-Bromofluorobenzene	99.4			77.0-126
(S) 1,2-Dichloroethane-d4	96.3			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3737883-1 12/07/21 02:47 • (LCSD) R3737883-2 12/07/21 03:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00498	0.00489	99.6	97.8	70.0-123			1.82	20
Ethylbenzene	0.00500	0.00500	0.00460	100	92.0	79.0-123			8.33	20
Naphthalene	0.00500	0.00443	0.00408	88.6	81.6	54.0-135			8.23	20
Toluene	0.00500	0.00496	0.00467	99.2	93.4	79.0-120			6.02	20
1,2,4-Trimethylbenzene	0.00500	0.00475	0.00465	95.0	93.0	76.0-121			2.13	20
1,3,5-Trimethylbenzene	0.00500	0.00474	0.00456	94.8	91.2	76.0-122			3.87	20
Xylenes, Total	0.0150	0.0147	0.0141	98.0	94.0	79.0-123			4.17	20
(S) Toluene-d8				94.9	92.7	80.0-120				
(S) 4-Bromofluorobenzene				101	98.7	77.0-126				
(S) 1,2-Dichloroethane-d4				98.6	98.6	70.0-130				

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

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Qc

7  
Gl

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Al

9  
Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

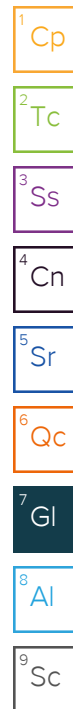
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

Report to:  
Stuart Hall

Project Description:  
*Baker Canyon Spill*  
Phone: 970-640-0568

Collected by (print):  
*J. McLarty*

Collected by (signature):  
*J. McLarty*

Immediately  
Packed on Ice N ☐ Y ☒

## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Email To: shall@entradainc.com;

City/State  
Collected: *DeBeque, CO*

Please Circle:  
PT ☒ MD ☐ CT ☐ ET

Client Project #

Lab Project #  
ENTCONGJCO-915

Site/Facility ID #

P.O. #

**Rush?** (Lab MUST Be Notified)

☐ Same Day ☒ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☐ Two Day ☐ 10 Day (Rad Only)  
☐ Three Day

Quote #

Date Results Needed

No.  
of  
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	
20211129-BC-MW1	Grab	GW		11/29/21	900	5
20211129-BC-MW2					930	1
20211129-BC-MW3					1000	
20211129-BC-MW4					1030	
20211129-BC-MW5					1100	
20211129-BC-MW6					1130	
20211129-BC-MW7					1200	
20211129-BC-MW8					1230	
20211129-BC-MW10					1300	
20211129-BC-MW9	✓	✓		✓	1330	✓

\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

Samples returned via:  
☐ UPS ☐ FedEx ☐ Courier

Tracking # *5016 1232 0158*

Relinquished by: (Signature)

Date: *11/29/21*

Time: *1600*

Received by: (Signature)

Trip Blank Received: Yes / No  
☒ HCL / MeOH  
☐ TBR

Relinquished by: (Signature)

Date: *11/29/21*

Time: *1700*

Received by: (Signature)

Temp: °C *2.8 ± 0.2* Bottles Received: *55*

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: *11/30/21* Time: *0930*

Hold:

Condition:  
NCF ☒ OK

## Analysis / Container / Preservative

CHLORIDE, SULFATE 125mIHDPE-NoPres

TDS 250mIHDPE-NoPres

V8260 40mIAmb-HCI

Chain of Custody Page 1 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



SDG # *7436321*  
F088

Acctnum: ENTCONGJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEX Ground

Remarks Sample # (lab only)

## Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page **2** of **2**



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



## Report to:

Stuart Hall

Email To: shall@entradainc.com;

## Project Description:

Baker Canyon Spill

## City/State

Collected: DeBeque, CO

## Please Circle:

PT MT CT ET

Phone: 970-640-0568

## Client Project #

## Lab Project #

ENTCONGJCO-915

## Collected by (print):

JMclarty

## Site/Facility ID #

## P.O. #

## Collected by (signature):

JMclarty

## Rush? (Lab MUST Be Notified)

\_\_\_ Same Day \_\_\_ Five Day  
\_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
\_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
\_\_\_ Three Day

## Quote #

## Date Results Needed

No.  
of  
Cnts

Immediately

Packed on Ice N \_\_\_ Y ☒

## Sample ID

## Comp/Grab

## Matrix \*

## Depth

## Date

## Time

2021129-BC-SW1

Grab

GW

11/29/21

1400

5

CHLORIDE,SULFATE 125mlHDPE-NoPres

TDS 250mlHDPE-NoPres

V8260 40mlAmb-HCl

X

X

X

SDG #

1936321

Table #

Acctnum: ENTCONGJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEX Ground

Remarks

Sample # (lab only)

-11

## \* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

## Remarks:

pH \_\_\_ Temp \_\_\_

Flow \_\_\_ Other \_\_\_

## Samples returned via:

\_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

## Tracking #

5016 1232 0158

## Relinquished by: (Signature)

JMclarty

## Date:

11/29/21

## Time:

1600

## Received by: (Signature)

JMclarty

## Trip Blank Received: Yes / No

\_\_\_ HCL / MeOH  
\_\_\_ TBR

## Relinquished by: (Signature)

JMclarty

## Date:

11/29/21

## Time:

1700

## Received by: (Signature)

JMclarty

## Temp: °C

28.0 ± 0.7.8 SS

## Bottles Received:

SS

## Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP \_\_\_ Y \_\_\_ N \_\_\_  
COC Signed/Accurate: ☒ \_\_\_ N \_\_\_  
Bottles arrive intact: ☒ \_\_\_ N \_\_\_  
Correct bottles used: ☒ \_\_\_ N \_\_\_  
Sufficient volume sent: ☒ \_\_\_ N \_\_\_  
If Applicable  
VOA Zero Headspace: ☒ \_\_\_ N \_\_\_  
Preservation Correct/Checked: ☒ \_\_\_ N \_\_\_  
RAD Screen <0.5 mR/hr: ☒ \_\_\_ N \_\_\_

If preservation required by Login: Date/Time

## Relinquished by: (Signature)

JMclarty

## Date:

11/30/21

## Time:

0930

## Received for lab by: (Signature)

JMclarty

## Date:

11/30/21

## Time:

0930

## Hold:

## Condition

NCF / OK

## Entrada Consulting Group

Sample Delivery Group: L1446219  
Samples Received: 12/28/2021  
Project Number:  
Description: Baker Canyon Spill

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



## Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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<sup>1</sup> Cp
<sup>2</sup> Tc
<sup>3</sup> Ss
<sup>4</sup> Cn
<sup>5</sup> Sr
<sup>6</sup> Qc
<sup>7</sup> Gl
<sup>8</sup> Al
<sup>9</sup> Sc

# SAMPLE SUMMARY

## 20211227-BC-MW1 L1446219-01 GW

Collected by J McLarty  
Collected date/time 12/27/21 09:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	10	12/29/21 20:50	12/29/21 20:50	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 05:02	12/30/21 05:02	ACG	Mt. Juliet, TN

## 20211227-BC-MW2 L1446219-02 GW

Collected by J McLarty  
Collected date/time 12/27/21 09:30  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796841	1	12/30/21 16:32	12/30/21 16:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	10	12/29/21 21:02	12/29/21 21:02	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 05:21	12/30/21 05:21	ACG	Mt. Juliet, TN

## 20211227-BC-MW3 L1446219-03 GW

Collected by J McLarty  
Collected date/time 12/27/21 10:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	10	12/29/21 21:14	12/29/21 21:14	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 05:40	12/30/21 05:40	ACG	Mt. Juliet, TN

## 20211227-BC-MW4 L1446219-04 GW

Collected by J McLarty  
Collected date/time 12/27/21 10:30  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796841	1	12/30/21 16:32	12/30/21 16:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 21:25	12/29/21 21:25	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 06:00	12/30/21 06:00	ACG	Mt. Juliet, TN

## 20211227-BC-MW5 L1446219-05 GW

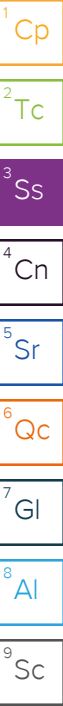
Collected by J McLarty  
Collected date/time 12/27/21 11:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	10	12/29/21 21:37	12/29/21 21:37	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	10	12/30/21 08:36	12/30/21 08:36	ACG	Mt. Juliet, TN

## 20211227-BC-MW6 L1446219-06 GW

Collected by J McLarty  
Collected date/time 12/27/21 11:30  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 21:49	12/29/21 21:49	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 06:19	12/30/21 06:19	ACG	Mt. Juliet, TN



# SAMPLE SUMMARY

## 20211227-BC-MW7 L1446219-07 GW

Collected by J McLarty  
Collected date/time 12/27/21 12:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796841	1	12/30/21 16:32	12/30/21 16:49	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 22:00	12/29/21 22:00	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 06:39	12/30/21 06:39	ACG	Mt. Juliet, TN

## 20211227-BC-MW8 L1446219-08 GW

Collected by J McLarty  
Collected date/time 12/27/21 12:30  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 22:12	12/29/21 22:12	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 06:58	12/30/21 06:58	ACG	Mt. Juliet, TN

## 20211227-BC-MW9 L1446219-09 GW

Collected by J McLarty  
Collected date/time 12/27/21 13:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 22:47	12/29/21 22:47	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	20	12/30/21 08:55	12/30/21 08:55	ACG	Mt. Juliet, TN

## 20211227-BC-MW10 L1446219-10 GW

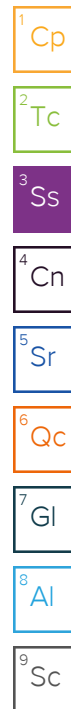
Collected by J McLarty  
Collected date/time 12/27/21 13:30  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	20	12/29/21 22:59	12/29/21 22:59	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 07:18	12/30/21 07:18	ACG	Mt. Juliet, TN

## 20211227-BC-SW1 L1446219-11 GW

Collected by J McLarty  
Collected date/time 12/27/21 14:00  
Received date/time 12/28/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1796090	1	12/29/21 13:09	12/29/21 14:13	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	1	12/29/21 23:10	12/29/21 23:10	LBR	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1796324	10	12/29/21 23:46	12/29/21 23:46	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1796409	1	12/30/21 07:37	12/30/21 07:37	ACG	Mt. Juliet, TN





# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward  
Project Manager



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1130		20.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	73.4		10.0	10	12/29/2021 20:50	<a href="#">WG1796324</a>
Sulfate	468		50.0	10	12/29/2021 20:50	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 05:02	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 05:02	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 05:02	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 05:02	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 05:02	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:02	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:02	<a href="#">WG1796409</a>
(S) Toluene-d8	97.8		80.0-120		12/30/2021 05:02	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	102		77.0-126		12/30/2021 05:02	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	97.9		70.0-130		12/30/2021 05:02	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2070		25.0	1	12/30/2021 16:49	<a href="#">WG1796841</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	112		10.0	10	12/29/2021 21:02	<a href="#">WG1796324</a>
Sulfate	784		50.0	10	12/29/2021 21:02	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00110		0.00100	1	12/30/2021 05:21	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 05:21	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 05:21	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 05:21	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 05:21	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:21	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:21	<a href="#">WG1796409</a>
(S) Toluene-d8	97.0		80.0-120		12/30/2021 05:21	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	99.7		77.0-126		12/30/2021 05:21	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	98.0		70.0-130		12/30/2021 05:21	<a href="#">WG1796409</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1390	J3	20.0	1	12/29/2021 14:13	WG1796090

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	82.0		10.0	10	12/29/2021 21:14	WG1796324
Sulfate	718		50.0	10	12/29/2021 21:14	WG1796324

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.0149		0.00100	1	12/30/2021 05:40	WG1796409
Toluene	0.0206		0.00100	1	12/30/2021 05:40	WG1796409
Ethylbenzene	0.00182		0.00100	1	12/30/2021 05:40	WG1796409
Xylenes, Total	0.0207		0.00300	1	12/30/2021 05:40	WG1796409
Naphthalene	ND		0.00500	1	12/30/2021 05:40	WG1796409
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:40	WG1796409
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 05:40	WG1796409
(S) Toluene-d8	93.7		80.0-120		12/30/2021 05:40	WG1796409
(S) 4-Bromofluorobenzene	99.1		77.0-126		12/30/2021 05:40	WG1796409
(S) 1,2-Dichloroethane-d4	97.7		70.0-130		12/30/2021 05:40	WG1796409

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	3140		50.0	1	12/30/2021 16:49	<a href="#">WG1796841</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	122		20.0	20	12/29/2021 21:25	<a href="#">WG1796324</a>
Sulfate	1020		100	20	12/29/2021 21:25	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00119		0.00100	1	12/30/2021 06:00	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 06:00	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 06:00	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 06:00	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 06:00	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:00	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:00	<a href="#">WG1796409</a>
(S) Toluene-d8	95.1		80.0-120		12/30/2021 06:00	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	102		77.0-126		12/30/2021 06:00	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	98.6		70.0-130		12/30/2021 06:00	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1530		25.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	84.3		10.0	10	12/29/2021 21:37	<a href="#">WG1796324</a>
Sulfate	779		50.0	10	12/29/2021 21:37	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.362		0.0100	10	12/30/2021 08:36	<a href="#">WG1796409</a>
Toluene	ND		0.0100	10	12/30/2021 08:36	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.0100	10	12/30/2021 08:36	<a href="#">WG1796409</a>
Xylenes, Total	0.0352		0.0300	10	12/30/2021 08:36	<a href="#">WG1796409</a>
Naphthalene	ND		0.0500	10	12/30/2021 08:36	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.0100	10	12/30/2021 08:36	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.0100	10	12/30/2021 08:36	<a href="#">WG1796409</a>
(S) Toluene-d8	94.8		80.0-120		12/30/2021 08:36	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	103		77.0-126		12/30/2021 08:36	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	98.9		70.0-130		12/30/2021 08:36	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1690		50.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	146		20.0	20	12/29/2021 21:49	<a href="#">WG1796324</a>
Sulfate	1080		100	20	12/29/2021 21:49	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 06:19	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 06:19	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 06:19	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 06:19	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 06:19	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:19	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:19	<a href="#">WG1796409</a>
(S) Toluene-d8	95.6		80.0-120		12/30/2021 06:19	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	100		77.0-126		12/30/2021 06:19	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	100		70.0-130		12/30/2021 06:19	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1740		50.0	1	12/30/2021 16:49	<a href="#">WG1796841</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	146		20.0	20	12/29/2021 22:00	<a href="#">WG1796324</a>
Sulfate	1070		100	20	12/29/2021 22:00	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 06:39	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 06:39	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 06:39	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 06:39	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 06:39	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:39	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:39	<a href="#">WG1796409</a>
(S) Toluene-d8	95.9		80.0-120		12/30/2021 06:39	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	102		77.0-126		12/30/2021 06:39	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/30/2021 06:39	<a href="#">WG1796409</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2010		50.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	135		20.0	20	12/29/2021 22:12	<a href="#">WG1796324</a>
Sulfate	1030		100	20	12/29/2021 22:12	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 06:58	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 06:58	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 06:58	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 06:58	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 06:58	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:58	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 06:58	<a href="#">WG1796409</a>
(S) Toluene-d8	96.4		80.0-120		12/30/2021 06:58	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/30/2021 06:58	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	96.9		70.0-130		12/30/2021 06:58	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	688		25.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	90.3		20.0	20	12/29/2021 22:47	<a href="#">WG1796324</a>
Sulfate	838		100	20	12/29/2021 22:47	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.861		0.0200	20	12/30/2021 08:55	<a href="#">WG1796409</a>
Toluene	ND		0.0200	20	12/30/2021 08:55	<a href="#">WG1796409</a>
Ethylbenzene	0.0560		0.0200	20	12/30/2021 08:55	<a href="#">WG1796409</a>
Xylenes, Total	0.396		0.0600	20	12/30/2021 08:55	<a href="#">WG1796409</a>
Naphthalene	ND		0.100	20	12/30/2021 08:55	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.0200	20	12/30/2021 08:55	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.0200	20	12/30/2021 08:55	<a href="#">WG1796409</a>
(S) Toluene-d8	93.7		80.0-120		12/30/2021 08:55	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	107		77.0-126		12/30/2021 08:55	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/30/2021 08:55	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1700		25.0	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	85.7		20.0	20	12/29/2021 22:59	<a href="#">WG1796324</a>
Sulfate	809		100	20	12/29/2021 22:59	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 07:18	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 07:18	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 07:18	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 07:18	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 07:18	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 07:18	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 07:18	<a href="#">WG1796409</a>
(S) Toluene-d8	95.0		80.0-120		12/30/2021 07:18	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/30/2021 07:18	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	96.8		70.0-130		12/30/2021 07:18	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	832		13.3	1	12/29/2021 14:13	<a href="#">WG1796090</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	70.2		1.00	1	12/29/2021 23:10	<a href="#">WG1796324</a>
Sulfate	267		50.0	10	12/29/2021 23:46	<a href="#">WG1796324</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/30/2021 07:37	<a href="#">WG1796409</a>
Toluene	ND		0.00100	1	12/30/2021 07:37	<a href="#">WG1796409</a>
Ethylbenzene	ND		0.00100	1	12/30/2021 07:37	<a href="#">WG1796409</a>
Xylenes, Total	ND		0.00300	1	12/30/2021 07:37	<a href="#">WG1796409</a>
Naphthalene	ND		0.00500	1	12/30/2021 07:37	<a href="#">WG1796409</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	12/30/2021 07:37	<a href="#">WG1796409</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	12/30/2021 07:37	<a href="#">WG1796409</a>
(S) Toluene-d8	96.4		80.0-120		12/30/2021 07:37	<a href="#">WG1796409</a>
(S) 4-Bromofluorobenzene	101		77.0-126		12/30/2021 07:37	<a href="#">WG1796409</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		12/30/2021 07:37	<a href="#">WG1796409</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3746626-1 12/29/21 14:13

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1445955-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1445955-02 12/29/21 14:13 • (DUP) R3746626-3 12/29/21 14:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2080	2230	1	7.31	J3	5

L1446219-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1446219-03 12/29/21 14:13 • (DUP) R3746626-4 12/29/21 14:13

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1390	1520	1	9.07	J3	5

Laboratory Control Sample (LCS)

(LCS) R3746626-2 12/29/21 14:13

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8350	94.9	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3746972-1 12/30/21 16:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1446049-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1446049-01 12/30/21 16:49 • (DUP) R3746972-3 12/30/21 16:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	729	769	1	5.34	J3	5

L1446264-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1446264-02 12/30/21 16:49 • (DUP) R3746972-4 12/30/21 16:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	753	753	1	0.000		5

Laboratory Control Sample (LCS)

(LCS) R3746972-2 12/30/21 16:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8320	94.5	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3746359-1 12/29/21 18:06

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1445681-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1445681-01 12/29/21 18:30 • (DUP) R3746359-3 12/29/21 18:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	71.6	71.8	1	0.292		15
Sulfate	57.1	57.3	1	0.316		15

L1446219-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1446219-11 12/29/21 23:10 • (DUP) R3746359-6 12/29/21 23:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	70.2	70.4	1	0.221		15
Sulfate	255	255	1	0.0800	E	15

L1446219-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1446219-11 12/29/21 23:46 • (DUP) R3746359-8 12/29/21 23:57

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Sulfate	267	266	10	0.315		15

Laboratory Control Sample (LCS)

(LCS) R3746359-2 12/29/21 18:18

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.9	99.9	80.0-120	
Sulfate	40.0	41.4	103	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1445681-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1445681-06 12/29/21 19:17 • (MS) R3746359-4 12/29/21 19:28 • (MSD) R3746359-5 12/29/21 19:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	75.2	120	120	89.6	89.8	1	80.0-120	E	E	0.0726	15
Sulfate	50.0	143	185	185	83.9	84.4	1	80.0-120	E	E	0.129	15

L1446219-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1446219-11 12/29/21 23:10 • (MS) R3746359-7 12/29/21 23:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	70.2	116	92.5	1	80.0-120	E
Sulfate	50.0	255	293	75.7	1	80.0-120	E V

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3746310-2 12/30/21 02:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	95.3			80.0-120
(S) 4-Bromofluorobenzene	104			77.0-126
(S) 1,2-Dichloroethane-d4	101			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3746310-1 12/30/21 01:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00503	101	70.0-123	
Ethylbenzene	0.00500	0.00490	98.0	79.0-123	
Naphthalene	0.00500	0.00383	76.6	54.0-135	
Toluene	0.00500	0.00465	93.0	79.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00443	88.6	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00475	95.0	76.0-122	
Xylenes, Total	0.0150	0.0150	100	79.0-123	
(S) Toluene-d8			94.5	80.0-120	
(S) 4-Bromofluorobenzene			103	77.0-126	
(S) 1,2-Dichloroethane-d4			103	70.0-130	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

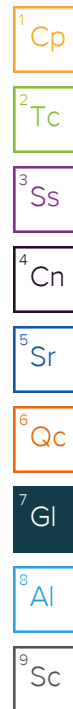
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.



# ACCREDITATIONS & LOCATIONS

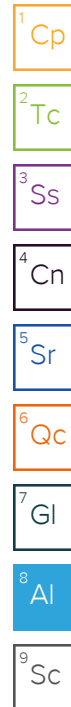
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





# Entrada Consulting Group

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## Billing Information:

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Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



Report to:  
Stuart Hall

Email To: shall@entradainc.com;

## Project Description:

Baker Canyon Spill

City/State  
Collected: DeBeque, CO

Please Circle:  
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #  
ENTCONGJCO-915

Collected by (print):

JMcLarty

Site/Facility ID #

P.O. #

Collected by (signature):

JMcLarty

Rush? (Lab MUST Be Notified)

Same Day ☒ Five Day  
Next Day ☐ 5 Day (Rad Only)  
Two Day ☐ 10 Day (Rad Only)  
Three Day ☐

Quote #

Date Results Needed

No.  
of  
Cntrs

Immediately  
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	CHLORIDE, SULFATE 125mIHDP-NOPres	TDS 250mIHDP-NOPres	V8260 40mIAmb-HCI											
20211227-BC-MW1	Grab	GW		12/27/21	900	5	X	X	X										-01
20211227-BC-MW2					930														-02
20211227-BC-MW3					1000														-03
20211227-BC-MW4					1030														-04
20211227-BC-MW5					1100														-05
20211227-BC-MW6					1130														-06
20211227-BC-MW7					1200														-07
20211227-BC-MW8					1230														-08
20211227-BC-MW9					1300														-09
20211227-BC-MW10					1330														-10

\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

## Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

UPS FedEx Courier

Tracking #

5016 1232 0445

## Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

JMcLarty

Date:

12/27/21

Time:

1500

Received by: (Signature)

[Signature]

Trip Blank Received: Yes ☒ No ☐

HCL / MeOH  
TBR

Relinquished by: (Signature)

[Signature]

Date:

12/27/21

Time:

1600

Received by: (Signature)

[Signature]

Temp: 84.2°C

Bottles Received:

96 to 9.6

55

If preservation required by Login: Date/Time

Relinquished by: (Signature)

[Signature]

Date:

12/28/21

Time:

900

Received for lab by: (Signature)

[Signature]

Date:

12/28/21

Time:

900

Hold:

Condition:

NCF OK

# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

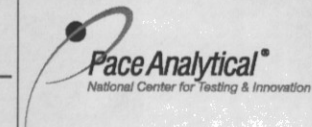
## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page 2 of 2



Report to:  
Stuart Hall

Email To: shall@entradainc.com;

Project Description:

Baker Canyon Spill

City/State  
Collected:

DeBeque, CO

Please Circle:

PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #

ENTCONGJCO-915

Collected by (print):

J. McArthur

Site/Facility ID #

P.O. #

Collected by (signature):

J. McArthur

**Rush?** (Lab MUST Be Notified)

\_\_\_ Same Day \_\_\_ Five Day  
\_\_\_ Next Day \_\_\_ 5 Day (Rad Only)  
\_\_\_ Two Day \_\_\_ 10 Day (Rad Only)  
\_\_\_ Three Day

Quote #

Date Results Needed

No.  
of  
Cntrs

Immediately  
Packed on Ice N \_\_\_ Y ☒

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

20211227-BC-SW1

Grab

GW

12/27/21

1400

5

CHLORIDE, SULFATE 125mLHDPE-NoPres

TDS 250mLHDPE-NoPres

V8260 40mL Amb-HCl

X

X

X

\* Matrix:  
SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - Wastewater  
DW - Drinking Water  
OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

\_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier

Tracking #

Relinquished by: (Signature)

J. McArthur

Date:

12/27/21

Time:

1600

Received by: (Signature)

[Signature]

Trip Blank Received: Yes / ☒ No

HCL / MeOH  
TBR

Relinquished by: (Signature)

[Signature]

Date:

12/27/21

Time:

1600

Received by: (Signature)

[Signature]

Temp: 8.42°C

96 to 0.6

Bottles Received:

55

If preservation required by Login: Date/Time

Relinquished by: (Signature)

[Signature]

Date:

12/28/21

Time:

900

Received for lab by: (Signature)

[Signature]

Date:

12/28/21

Time:

900

Hold:

Condition:

NCF ☒ OK

## Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP \_\_\_ Y \_\_\_ N  
COC Signed/Accurate: ☒ \_\_\_ N  
Bottles arrive intact: ☒ \_\_\_ N  
Correct bottles used: ☒ \_\_\_ N  
Sufficient volume sent: ☒ \_\_\_ N  
If Applicable  
VOA Zero Headspace: ☒ \_\_\_ N  
Preservation Correct/Checked: ☒ \_\_\_ N  
RAD Screen <0.5 mR/hr: ☒ \_\_\_ N



**Entrada Consulting Group**

Sample Delivery Group: L1454401  
Samples Received: 01/25/2022  
Project Number:  
Description: Baker Canyon Spill

Report To: Stuart Hall  
240 Mesa Avenue  
Grand Junction, CO 81501

Entire Report Reviewed By:



Chris Ward  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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# SAMPLE SUMMARY

## 20220124-BC-MW1 L1454401-01 GW

Collected by J. McLarty  
Collected date/time 01/24/22 09:00  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	10	01/25/22 22:17	01/25/22 22:17	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 17:53	01/25/22 17:53	JAH	Mt. Juliet, TN

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

## 20220124-BC-MW2 L1454401-02 GW

Collected by J. McLarty  
Collected date/time 01/24/22 09:30  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	10	01/25/22 22:29	01/25/22 22:29	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 18:15	01/25/22 18:15	JAH	Mt. Juliet, TN

## 20220124-BC-MW3 L1454401-03 GW

Collected by J. McLarty  
Collected date/time 01/24/22 10:00  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	10	01/25/22 22:40	01/25/22 22:40	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 18:36	01/25/22 18:36	JAH	Mt. Juliet, TN

## 20220124-BC-MW4 L1454401-04 GW

Collected by J. McLarty  
Collected date/time 01/24/22 10:30  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	20	01/25/22 22:52	01/25/22 22:52	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 18:58	01/25/22 18:58	JAH	Mt. Juliet, TN

## 20220124-BC-MW5 L1454401-05 GW

Collected by J. McLarty  
Collected date/time 01/24/22 11:00  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	20	01/25/22 23:04	01/25/22 23:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	10	01/25/22 20:25	01/25/22 20:25	JAH	Mt. Juliet, TN

## 20220124-BC-MW6 L1454401-06 GW

Collected by J. McLarty  
Collected date/time 01/24/22 11:30  
Received date/time 01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808517	1	01/26/22 17:39	01/26/22 19:00	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	50	01/25/22 23:16	01/25/22 23:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 19:20	01/25/22 19:20	JAH	Mt. Juliet, TN

# SAMPLE SUMMARY

20220124-BC-MW7 L1454401-07 GW

Collected by  
J. McLarty

Collected date/time  
01/24/22 12:00

Received date/time  
01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808517	1	01/26/22 17:39	01/26/22 19:00	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	20	01/25/22 23:27	01/25/22 23:27	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 19:41	01/25/22 19:41	JAH	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

20220124-BC-MW8 L1454401-08 GW

Collected by  
J. McLarty

Collected date/time  
01/24/22 12:30

Received date/time  
01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808517	1	01/26/22 17:39	01/26/22 19:00	BRG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	20	01/25/22 23:39	01/25/22 23:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	1	01/25/22 20:03	01/25/22 20:03	JAH	Mt. Juliet, TN

20220124-BC-MW9 L1454401-09 GW

Collected by  
J. McLarty

Collected date/time  
01/24/22 13:00

Received date/time  
01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	10	01/25/22 23:51	01/25/22 23:51	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807928	20	01/25/22 20:47	01/25/22 20:47	JAH	Mt. Juliet, TN

20220124-BC-MW10 L1454401-10 GW

Collected by  
J. McLarty

Collected date/time  
01/24/22 13:30

Received date/time  
01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	20	01/26/22 00:02	01/26/22 00:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807985	1	01/26/22 01:54	01/26/22 01:54	JAH	Mt. Juliet, TN

20220124-BC-SW1 L1454401-11 GW

Collected by  
J. McLarty

Collected date/time  
01/24/22 14:00

Received date/time  
01/25/22 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG1808326	1	01/26/22 15:47	01/26/22 17:34	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1807933	5	01/26/22 00:37	01/26/22 00:37	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1807985	1	01/26/22 02:15	01/26/22 02:15	JAH	Mt. Juliet, TN

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward  
Project Manager



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1010		20.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	77.6		10.0	10	01/25/2022 22:17	<a href="#">WG1807933</a>
Sulfate	552		50.0	10	01/25/2022 22:17	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	01/25/2022 17:53	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 17:53	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 17:53	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 17:53	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 17:53	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 17:53	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 17:53	<a href="#">WG1807928</a>
(S) Toluene-d8	105		80.0-120		01/25/2022 17:53	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.9		77.0-126		01/25/2022 17:53	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	96.7		70.0-130		01/25/2022 17:53	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1570		25.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	110		10.0	10	01/25/2022 22:29	<a href="#">WG1807933</a>
Sulfate	784		50.0	10	01/25/2022 22:29	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00138		0.00100	1	01/25/2022 18:15	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 18:15	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 18:15	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 18:15	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 18:15	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:15	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:15	<a href="#">WG1807928</a>
(S) Toluene-d8	106		80.0-120		01/25/2022 18:15	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	98.3		77.0-126		01/25/2022 18:15	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		01/25/2022 18:15	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1360		20.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	80.9		10.0	10	01/25/2022 22:40	<a href="#">WG1807933</a>
Sulfate	701		50.0	10	01/25/2022 22:40	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.0185		0.00100	1	01/25/2022 18:36	<a href="#">WG1807928</a>
Toluene	0.0121		0.00100	1	01/25/2022 18:36	<a href="#">WG1807928</a>
Ethylbenzene	0.00214		0.00100	1	01/25/2022 18:36	<a href="#">WG1807928</a>
Xylenes, Total	0.0248		0.00300	1	01/25/2022 18:36	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 18:36	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:36	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:36	<a href="#">WG1807928</a>
(S) Toluene-d8	103		80.0-120		01/25/2022 18:36	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.7		77.0-126		01/25/2022 18:36	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	98.1		70.0-130		01/25/2022 18:36	<a href="#">WG1807928</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2540		50.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	131		20.0	20	01/25/2022 22:52	<a href="#">WG1807933</a>
Sulfate	1090		100	20	01/25/2022 22:52	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.00229		0.00100	1	01/25/2022 18:58	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 18:58	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 18:58	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 18:58	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 18:58	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:58	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 18:58	<a href="#">WG1807928</a>
(S) Toluene-d8	105		80.0-120		01/25/2022 18:58	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.6		77.0-126		01/25/2022 18:58	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	98.4		70.0-130		01/25/2022 18:58	<a href="#">WG1807928</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1550		20.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	81.6		20.0	20	01/25/2022 23:04	<a href="#">WG1807933</a>
Sulfate	743		100	20	01/25/2022 23:04	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	0.514		0.0100	10	01/25/2022 20:25	<a href="#">WG1807928</a>
Toluene	ND		0.0100	10	01/25/2022 20:25	<a href="#">WG1807928</a>
Ethylbenzene	0.0216		0.0100	10	01/25/2022 20:25	<a href="#">WG1807928</a>
Xylenes, Total	0.0398		0.0300	10	01/25/2022 20:25	<a href="#">WG1807928</a>
Naphthalene	ND		0.0500	10	01/25/2022 20:25	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.0100	10	01/25/2022 20:25	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.0100	10	01/25/2022 20:25	<a href="#">WG1807928</a>
(S) Toluene-d8	104		80.0-120		01/25/2022 20:25	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.0		77.0-126		01/25/2022 20:25	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	101		70.0-130		01/25/2022 20:25	<a href="#">WG1807928</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2200		50.0	1	01/26/2022 19:00	<a href="#">WG1808517</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	147		50.0	50	01/25/2022 23:16	<a href="#">WG1807933</a>
Sulfate	1110		250	50	01/25/2022 23:16	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	01/25/2022 19:20	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 19:20	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 19:20	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 19:20	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 19:20	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 19:20	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 19:20	<a href="#">WG1807928</a>
(S) Toluene-d8	104		80.0-120		01/25/2022 19:20	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.4		77.0-126		01/25/2022 19:20	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	99.3		70.0-130		01/25/2022 19:20	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	2030		50.0	1	01/26/2022 19:00	<a href="#">WG1808517</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	155		20.0	20	01/25/2022 23:27	<a href="#">WG1807933</a>
Sulfate	1180		100	20	01/25/2022 23:27	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	01/25/2022 19:41	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 19:41	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 19:41	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 19:41	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 19:41	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 19:41	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 19:41	<a href="#">WG1807928</a>
(S) Toluene-d8	107		80.0-120		01/25/2022 19:41	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	98.3		77.0-126		01/25/2022 19:41	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	99.7		70.0-130		01/25/2022 19:41	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	2040		50.0	1	01/26/2022 19:00	<a href="#">WG1808517</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Chloride	130		20.0	20	01/25/2022 23:39	<a href="#">WG1807933</a>
Sulfate	1030		100	20	01/25/2022 23:39	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Benzene	ND		0.00100	1	01/25/2022 20:03	<a href="#">WG1807928</a>
Toluene	ND		0.00100	1	01/25/2022 20:03	<a href="#">WG1807928</a>
Ethylbenzene	ND		0.00100	1	01/25/2022 20:03	<a href="#">WG1807928</a>
Xylenes, Total	ND		0.00300	1	01/25/2022 20:03	<a href="#">WG1807928</a>
Naphthalene	ND		0.00500	1	01/25/2022 20:03	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.00100	1	01/25/2022 20:03	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/25/2022 20:03	<a href="#">WG1807928</a>
(S) Toluene-d8	105		80.0-120		01/25/2022 20:03	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	97.8		77.0-126		01/25/2022 20:03	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	98.3		70.0-130		01/25/2022 20:03	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1660		25.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	93.6		10.0	10	01/25/2022 23:51	<a href="#">WG1807933</a>
Sulfate	864		50.0	10	01/25/2022 23:51	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	0.697		0.0200	20	01/25/2022 20:47	<a href="#">WG1807928</a>
Toluene	ND		0.0200	20	01/25/2022 20:47	<a href="#">WG1807928</a>
Ethylbenzene	0.0455		0.0200	20	01/25/2022 20:47	<a href="#">WG1807928</a>
Xylenes, Total	0.287		0.0600	20	01/25/2022 20:47	<a href="#">WG1807928</a>
Naphthalene	ND		0.100	20	01/25/2022 20:47	<a href="#">WG1807928</a>
1,2,4-Trimethylbenzene	ND		0.0200	20	01/25/2022 20:47	<a href="#">WG1807928</a>
1,3,5-Trimethylbenzene	ND		0.0200	20	01/25/2022 20:47	<a href="#">WG1807928</a>
(S) Toluene-d8	105		80.0-120		01/25/2022 20:47	<a href="#">WG1807928</a>
(S) 4-Bromofluorobenzene	99.4		77.0-126		01/25/2022 20:47	<a href="#">WG1807928</a>
(S) 1,2-Dichloroethane-d4	99.7		70.0-130		01/25/2022 20:47	<a href="#">WG1807928</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	1770		25.0	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	90.4		20.0	20	01/26/2022 00:02	<a href="#">WG1807933</a>
Sulfate	921		100	20	01/26/2022 00:02	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	01/26/2022 01:54	<a href="#">WG1807985</a>
Toluene	ND		0.00100	1	01/26/2022 01:54	<a href="#">WG1807985</a>
Ethylbenzene	ND		0.00100	1	01/26/2022 01:54	<a href="#">WG1807985</a>
Xylenes, Total	ND		0.00300	1	01/26/2022 01:54	<a href="#">WG1807985</a>
Naphthalene	ND		0.00500	1	01/26/2022 01:54	<a href="#">WG1807985</a>
1,2,4-Trimethylbenzene	ND	<a href="#">J4</a>	0.00100	1	01/26/2022 01:54	<a href="#">WG1807985</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/26/2022 01:54	<a href="#">WG1807985</a>
(S) Toluene-d8	103		80.0-120		01/26/2022 01:54	<a href="#">WG1807985</a>
(S) 4-Bromofluorobenzene	95.6		77.0-126		01/26/2022 01:54	<a href="#">WG1807985</a>
(S) 1,2-Dichloroethane-d4	91.4		70.0-130		01/26/2022 01:54	<a href="#">WG1807985</a>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Dissolved Solids	849		13.3	1	01/26/2022 17:34	<a href="#">WG1808326</a>

## Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Chloride	70.4		5.00	5	01/26/2022 00:37	<a href="#">WG1807933</a>
Sulfate	268		25.0	5	01/26/2022 00:37	<a href="#">WG1807933</a>

## Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	01/26/2022 02:15	<a href="#">WG1807985</a>
Toluene	ND		0.00100	1	01/26/2022 02:15	<a href="#">WG1807985</a>
Ethylbenzene	ND		0.00100	1	01/26/2022 02:15	<a href="#">WG1807985</a>
Xylenes, Total	ND		0.00300	1	01/26/2022 02:15	<a href="#">WG1807985</a>
Naphthalene	ND		0.00500	1	01/26/2022 02:15	<a href="#">WG1807985</a>
1,2,4-Trimethylbenzene	ND	<a href="#">J4</a>	0.00100	1	01/26/2022 02:15	<a href="#">WG1807985</a>
1,3,5-Trimethylbenzene	ND		0.00100	1	01/26/2022 02:15	<a href="#">WG1807985</a>
(S) Toluene-d8	106		80.0-120		01/26/2022 02:15	<a href="#">WG1807985</a>
(S) 4-Bromofluorobenzene	91.2		77.0-126		01/26/2022 02:15	<a href="#">WG1807985</a>
(S) 1,2-Dichloroethane-d4	90.9		70.0-130		01/26/2022 02:15	<a href="#">WG1807985</a>

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Method Blank (MB)

(MB) R3754313-1 01/26/22 17:34

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1454498-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1454498-06 01/26/22 17:34 • (DUP) R3754313-3 01/26/22 17:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	799	829	1	3.77		5

L1454498-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1454498-08 01/26/22 17:34 • (DUP) R3754313-4 01/26/22 17:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	803	823	1	2.46		5

Laboratory Control Sample (LCS)

(LCS) R3754313-2 01/26/22 17:34

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	2460	2410	98.0	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3754777-1 01/26/22 19:00

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	U		10.0	10.0

L1453652-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1453652-01 01/26/22 19:00 • (DUP) R3754777-3 01/26/22 19:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	1310	1330	1	1.71		5

L1454498-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1454498-04 01/26/22 19:00 • (DUP) R3754777-4 01/26/22 19:00

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	768	792	1	3.08		5

Laboratory Control Sample (LCS)

(LCS) R3754777-2 01/26/22 19:00

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	2460	2400	97.6	77.4-123	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3753697-1 01/25/22 19:57

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00
Sulfate	U		0.594	5.00

L1454367-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1454367-01 01/25/22 20:32 • (DUP) R3753697-3 01/25/22 20:43

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	15.5	15.4	1	0.391		15
Sulfate	13.0	13.0	1	0.129		15

L1454427-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1454427-01 01/26/22 00:49 • (DUP) R3753697-6 01/26/22 01:01

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	34.3	34.3	1	0.192		15
Sulfate	46.1	46.0	1	0.256		15

Laboratory Control Sample (LCS)

(LCS) R3753697-2 01/25/22 20:08

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.5	98.7	80.0-120	
Sulfate	40.0	41.5	104	80.0-120	

L1454367-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1454367-01 01/25/22 20:32 • (MS) R3753697-4 01/25/22 20:55 • (MSD) R3753697-5 01/25/22 21:07

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	50.0	15.5	66.1	66.6	101	102	1	80.0-120			0.750	15
Sulfate	50.0	13.0	64.9	65.2	104	104	1	80.0-120			0.381	15



L1454427-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1454427-01 01/26/22 00:49 • (MS) R3753697-7 01/26/22 01:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	50.0	34.3	82.6	96.6	1	80.0-120	
Sulfate	50.0	46.1	94.4	96.6	1	80.0-120	

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3754506-3 01/25/22 10:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	99.9			77.0-126
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3754506-1 01/25/22 09:19 • (LCSD) R3754506-2 01/25/22 09:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00476	0.00497	95.2	99.4	70.0-123			4.32	20
Ethylbenzene	0.00500	0.00511	0.00543	102	109	79.0-123			6.07	20
Naphthalene	0.00500	0.00404	0.00450	80.8	90.0	54.0-135			10.8	20
Toluene	0.00500	0.00505	0.00526	101	105	79.0-120			4.07	20
1,2,4-Trimethylbenzene	0.00500	0.00525	0.00556	105	111	76.0-121			5.74	20
1,3,5-Trimethylbenzene	0.00500	0.00514	0.00559	103	112	76.0-122			8.39	20
Xylenes, Total	0.0150	0.0154	0.0162	103	108	79.0-123			5.06	20
(S) Toluene-d8				103	103	80.0-120				
(S) 4-Bromofluorobenzene				97.6	99.1	77.0-126				
(S) 1,2-Dichloroethane-d4				99.4	98.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3754677-3 01/25/22 22:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Naphthalene	U		0.00100	0.00500
Toluene	U		0.000278	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	109			80.0-120
(S) 4-Bromofluorobenzene	101			77.0-126
(S) 1,2-Dichloroethane-d4	94.9			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3754677-1 01/25/22 21:38 • (LCSD) R3754677-2 01/25/22 22:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00562	0.00540	112	108	70.0-123			3.99	20
Ethylbenzene	0.00500	0.00504	0.00462	101	92.4	79.0-123			8.70	20
Naphthalene	0.00500	0.00525	0.00542	105	108	54.0-135			3.19	20
Toluene	0.00500	0.00574	0.00515	115	103	79.0-120			10.8	20
1,2,4-Trimethylbenzene	0.00500	0.00624	0.00543	125	109	76.0-121	J4		13.9	20
1,3,5-Trimethylbenzene	0.00500	0.00572	0.00524	114	105	76.0-122			8.76	20
Xylenes, Total	0.0150	0.0164	0.0149	109	99.3	79.0-123			9.58	20
(S) Toluene-d8				104	99.8	80.0-120				
(S) 4-Bromofluorobenzene				97.9	96.3	77.0-126				
(S) 1,2-Dichloroethane-d4				91.8	97.6	70.0-130				

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc



# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

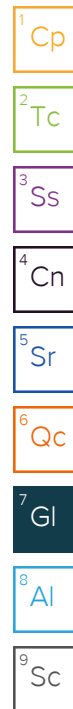
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

J4	The associated batch QC was outside the established quality control range for accuracy.
----	---



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

## Billing Information:

Stuart Hall  
330 Grand Ave, Unit C  
Grand Junction, CO 81501

Pres  
Chk

## Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859



Report to:  
Stuart Hall

Email To: shall@entradainc.com;

Project Description:

Baker Canyon Spill

City/State  
Collected:

De Beque, CO

Please Circle:  
PT MT CT ET

Phone: 970-640-0568

Client Project #

Lab Project #

ENTCONJCO-915

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately  
Packed on Ice N ☐ Y ☒

Same Day ☒ Five Day ☐  
Next Day ☐ 5 Day (Rad Only) ☐  
Two Day ☐ 10 Day (Rad Only) ☐  
Three Day ☐

Date Results Needed

No.  
of  
Cnts

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

CHLORIDE, SULFATE 125ml HDPE-NoPres

TDS 250ml HDPE-NoPres

V8260 40ml Amb-HCl

SDG # 1456401  
E159

Acctnum: ENTCONJCO

Template: T180606

Prelogin: P822085

PM: 824 - Chris Ward

PB:

Shipped Via: FedEx Ground

Remarks

Sample # (lab only)

20220124-BC-MW1	Grab	GW		1/24/22	900	5	X	X	X											-01
20220124-BC-MW2					930	1														-02
20220124-BC-MW3					1000															-03
20220124-BC-MW4					1030															-04
20220124-BC-MW5					1100															-05
20220124-BC-MW6					1130															-06
20220124-BC-MW7					1200															-07
20220124-BC-MW8					1230															-08
20220124-BC-MW9					1300															-09
20220124-BC-MW10					1330															-10

\* Matrix:

SS - Soil AIR - Air F - Filter  
GW - Groundwater B - Bioassay  
WW - WasteWater  
DW - Drinking Water  
OT - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

UPS ☐ FedEx ☐ Courier ☐

Tracking #

5016 1231 9110

Relinquished by: (Signature)

Date:

1/24/22

Time:

1500

Received by: (Signature)

Trip Blank Received: Yes ☒ No ☐

HCL / MeOH  
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: 50

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 1/25/2022 Time: 1400

Hold:

Condition:

NCF / OK

## Sample Receipt Checklist

COC Seal Present/Intact: ☐ NP ☒ Y ☐ N  
COC Signed/Accurate: ☒ Y ☐ N  
Bottles arrive intact: ☒ Y ☐ N  
Correct bottles used: ☒ Y ☐ N  
Sufficient volume sent: ☒ Y ☐ N  
If Applicable  
VOA Zero Headspace: ☒ Y ☐ N  
Preservation Correct/Checked: ☒ Y ☐ N  
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

# Entrada Consulting Group

330 Grand Ave, Unit C  
Grand Junction, CO 81501

Report to:  
**Stuart Hall**

Project Description:

*Baker Canyon Spill*

City/State  
Collected:

*DeBeque, CO*

Please Circle:  
PT MT CT ET

Phone: **970-640-0568**

Client Project #

Lab Project #

**ENTCONGJCO-915**

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

**Rush?** (Lab MUST Be Notified)

☐ Same Day ☒ Five Day  
☐ Next Day ☐ 5 Day (Rad Only)  
☐ Two Day ☐ 10 Day (Rad Only)  
☐ Three Day

Quote #

Date Results Needed

Immediately  
Packed on Ice N ☐ Y ☒

No.  
of  
Cntrs

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

*20220124 - BC-SW1*

*Grab*

*GW*

*1/24/22 1400*

*5*

*X*

*X*

*X*

Analysis / Container / Preservative

CHLORIDE, SULFATE 125mlHDPE-NoPres

TDS 250mlHDPE-NoPres

V8260 40mlAmb-HCl

Chain of Custody Page **2** of **2**



12065 Lebanon Rd  
Mount Juliet, TN 37122  
Phone: 615-758-5858  
Phone: 800-767-5859  
Fax: 615-758-5859

SDG # *L1454401*  
**E158**

Acctnum: **ENTCONGJCO**

Template: **T180606**

Prelogin: **P822085**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

*-11*

\* Matrix:  
**SS** - Soil **AIR** - Air **F** - Filter  
**GW** - Groundwater **B** - Bioassay  
**WW** - WasteWater  
**DW** - Drinking Water  
**OT** - Other

Remarks:

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

*5016 1231 9110*

Relinquished by: (Signature)

Date:

*1/24/22*

Time:

*1500*

Received by: (Signature)

Trip Blank Received: Yes ☒ No ☐

*NSA7* ☐ HCL / MeOH  
☐ TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: \_\_\_\_\_ °C Bottles Received: *5*

*3.9 + .0 = 3.9*

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: *1/25/2022* Time: *1400*

Hold:

Condition:  
NCF / ☒ OK

Sample Receipt Checklist

COC Seal Present/Intact: ☐ NP ☒ N  
COC Signed/Accurate: ☐ Y ☒ N  
Bottles arrive intact: ☐ Y ☒ N  
Correct bottles used: ☐ Y ☒ N  
Sufficient volume sent: ☐ Y ☒ N  
If Applicable  
VOA Zero Headspace: ☐ Y ☒ N  
Preservation Correct/Checked: ☐ Y ☒ N  
RAD Screen <0.5 mR/hr: ☐ Y ☒ N

If preservation required by Login: Date/Time